

# MANUFACTURERS' RECORD

A Weekly Southern Industrial and Hardware Newspaper.

Vol. XIII. No. 15.  
WEEKLY.

BALTIMORE, MAY 19, 1888.

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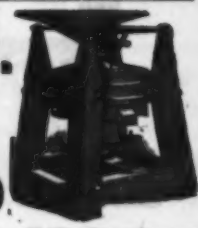
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Branch Office, 108 Liberty Street, NEW YORK.

## Report of the AQUEDUCT Commissioners.

(NEW CROTON AQUEDUCT, NEW YORK.)

AN ELABORATE VOLUME, CONTAINING AUTHORITATIVE TABLES BY THE CHIEF ENG., B. S. CHURCH. JUST ISSUED.

**PLANT** (by actual count from Table 13.)

Number of Ingersoll Drills used..... 242

Number of Drills of all other kinds used... 103

**PROGRESS** (by actual figures from Table 8.)

Average weekly progress in best 20 headings that used Ingersoll Drills exclusively (omitting all idle ft. 38-73

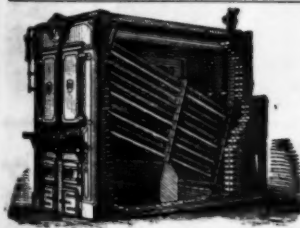
weeks)..... 31-68

Average weekly progress in best 20 headings that used other drills exclusively (omitting all idle weeks) 31-68

DIFFERENCE OF 50 PER CENT. IN FAVOR OF INGERSOLL DRILLS.

All headings where Ingersoll Drills were used exclusively have been completed, except the section under Harlem River, now being driven by Ingersoll Drills and Air Compressors. Send for description of Aqueduct, with Engineers' Tables of Progress and Catalogue. Sent free. We have procured a limited number of the Report of the Aqueduct Commissioners, and will send them by express on receipt of \$5, actual cost to us.

**INGERSOLL ROCK DRILL CO.,**  
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## ROOT'S NEW WATER TUBE STEAM BOILER,

Safe, Economical, Durable.

Recently adopted by the BRUSH ELECTRIC LIGHT CO., at Louisville, the EDISON ELECTRIC LIGHT CO., Detroit, and the COLUMBUS EDISON ELECTRIC LIGHT CO., Columbus, Ohio.

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WILLIAM H. SMITH, Eng., 115 Dearborn St., Chicago, Ill.  
CHAR. E. ASHCROFT, Eng., 49 Mason Bldg., Boston, Mass.  
JOHN S. MOORE, 189 Grayson Street, New Orleans, La.  
T. B. PACKER, Whiskey Building, Kansas City, Mo.  
V. MERRILL, 149 N. Third Street, Phila., Pa.  
S. C. DODGE, - - - Chattanooga, Tenn.



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OVER 300,000 NOW IN USE. THE LIGHTEST, STRONGEST, BEST BALANCED and CHEAPEST in the WORLD.

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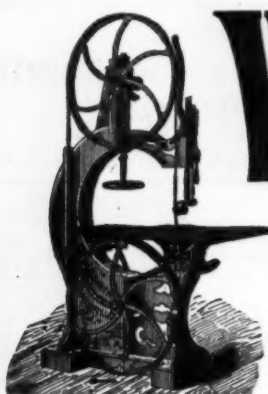
The Most Simple, Reliable, Durable and Economical in Existence.

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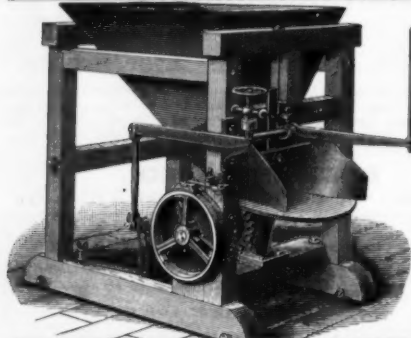
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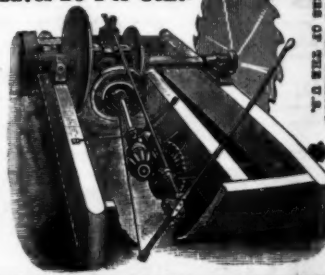
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Easily Applied.  
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J. C. ANDERSON, President.

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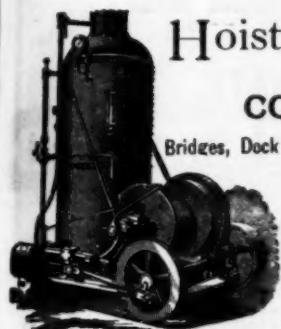
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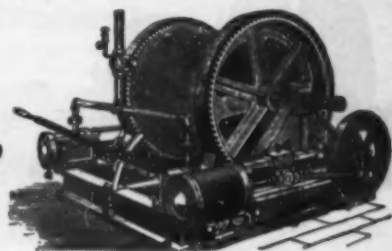
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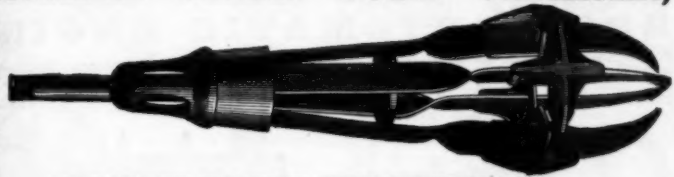
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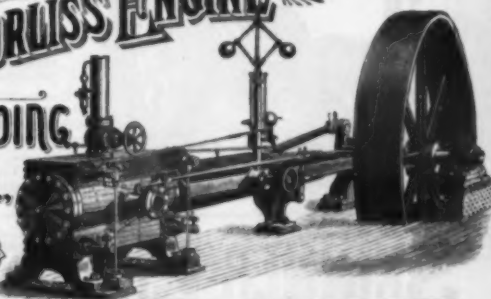


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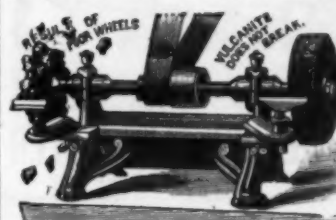
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Runs Easy and Safe, Cool and True.

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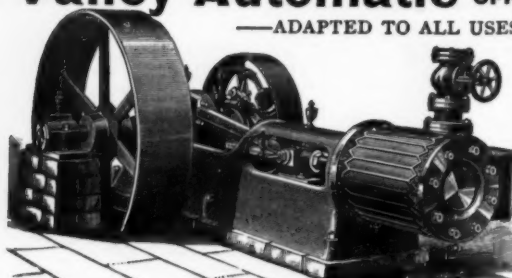
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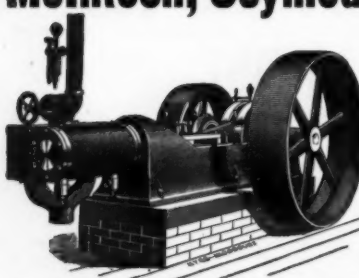
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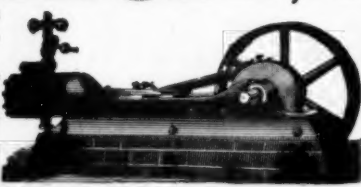
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### A RARE CHANCE FOR FURNACE MEN

To purchase a **CUYAHOGA BLOWING ENGINE.**

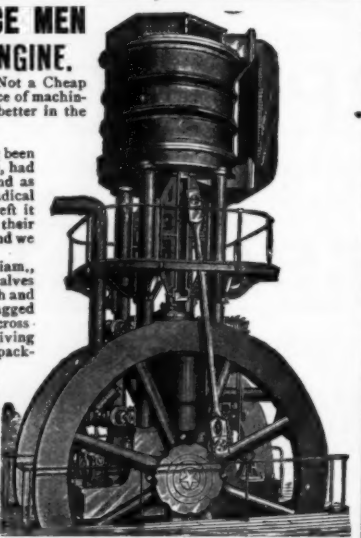
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DESCRIPTION.—This one has steam cylinder 36 in. diam., 48 in. stroke, blowing cylinder 84 in. diam. Four rolling valves on the steam cylinder, giving separate adjustment of each and minimum waste in steam passages. Cylinder neatly lagged with wood and covered with Russia iron. Cast steel cross-head straddling piston rod and secured to it by taper pin, giving a flexible connection. Wind piston is packed with wood packing in sections, breaking joints and held out with springs. Iron follower removable in sections and valves so arranged as to lose the least possible amount by air cushions and to entirely dispense with counterbalances and springs thereby securing great durability even with rapid motion. Fly wheels are cast in halves, securely bolted together and cored out to thoroughly counterbalance engine.

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Economy of Fuel, with increased capacity of Steam Power. Like the **Siemens Process of Making Steel**, it utilizes the waste gases with hot air on top of the fire. Will burn all kinds of waste fuel without a blast, including Slack Coal, Sawdust, Logwood Chips, &c. Send for Circulars.

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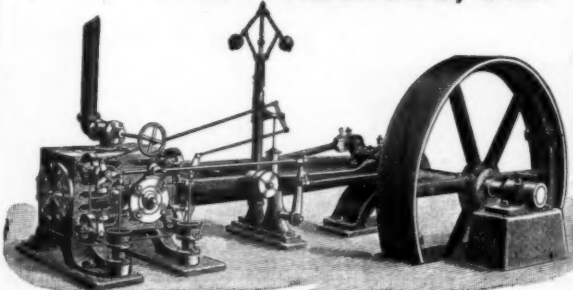
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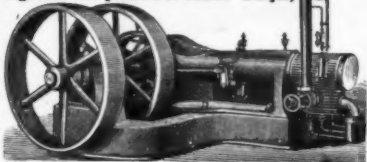


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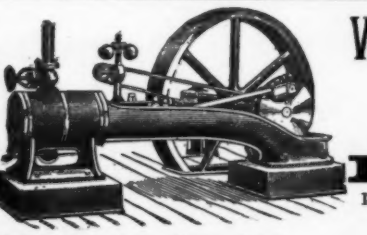
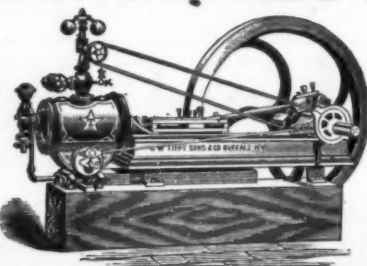
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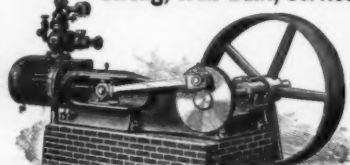
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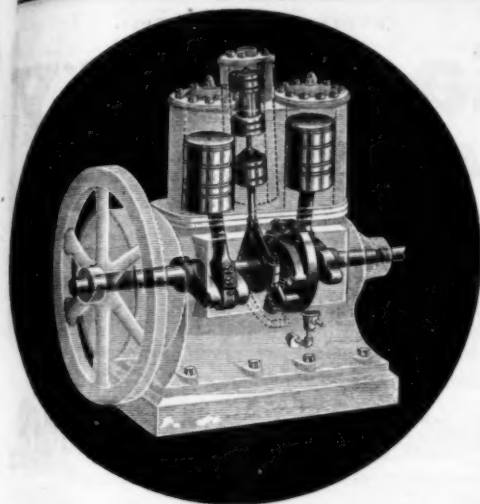


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Positively prevents and removes scale in steam boilers without acting on any of the metals. A real necessity for Southern steam users. Saves fuel, repairs and trouble, and doubles the life of the boiler. Sold on its merits, and satisfaction guaranteed or no pay. Write for sample.

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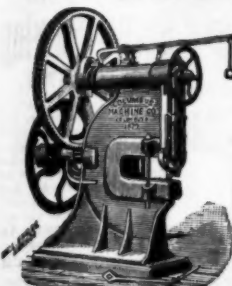
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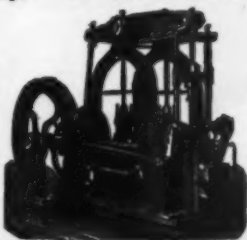
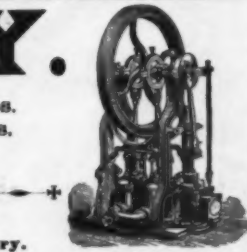
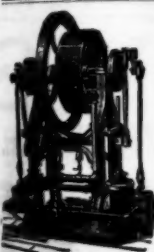
Millers' Rolls Reground and Corrugated.

Send for Descriptive Catalogue, Price and Pattern List.

Geo. J. Fritz Central Iron Works,

Telephone 2014.

2014 to 2028 S. Third St., St. Louis.



It will pay you to write to WILLIAMS ENGINE CO., 447 North St., Baltimore, Md., for

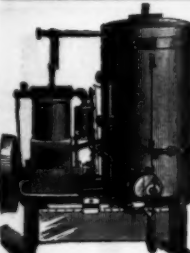
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For any duty. Electric Light Engines a specialty. Quality high. Prices moderate. Address

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MADE ONLY BY  
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Steam Engines, Boilers, Steam Pumps,  
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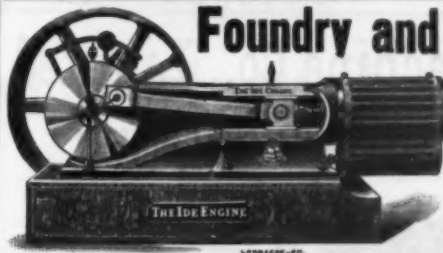


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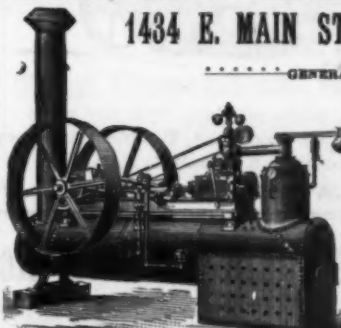
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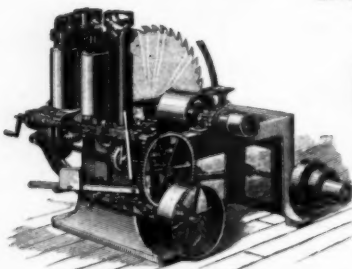
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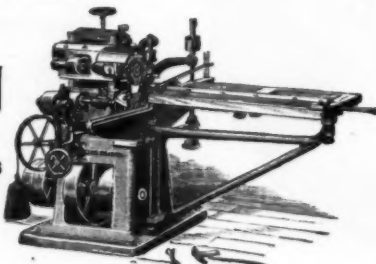
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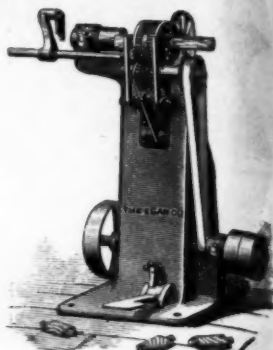
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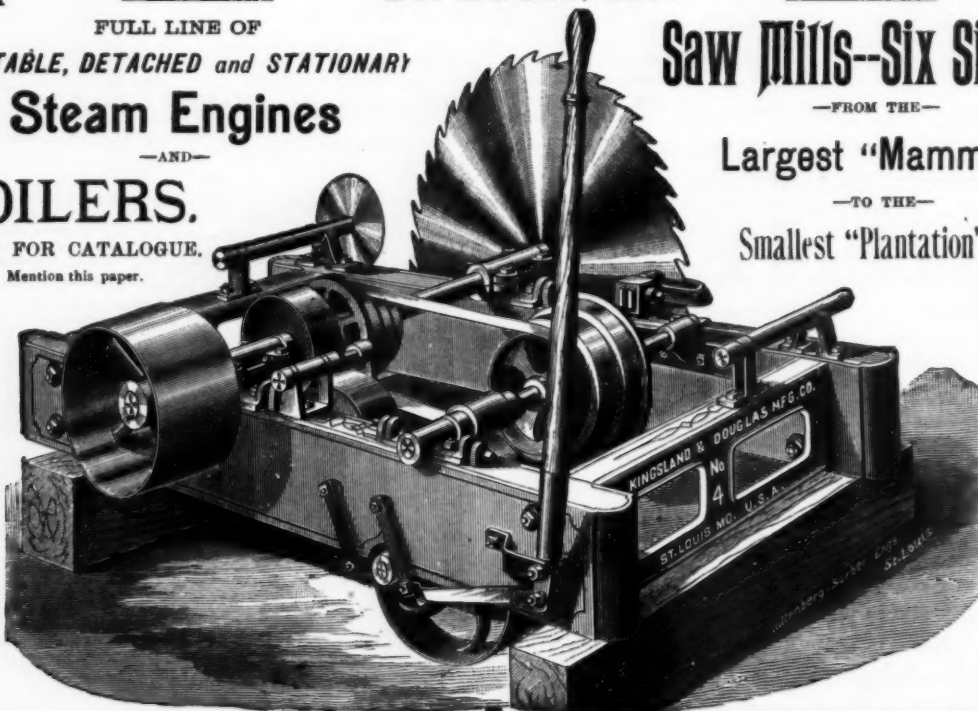
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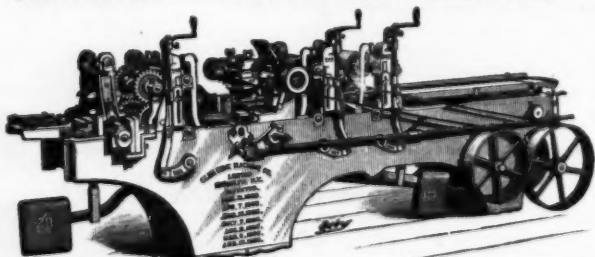
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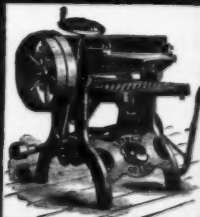
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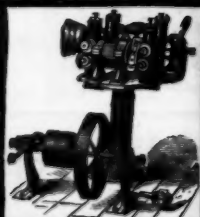
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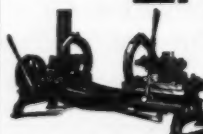


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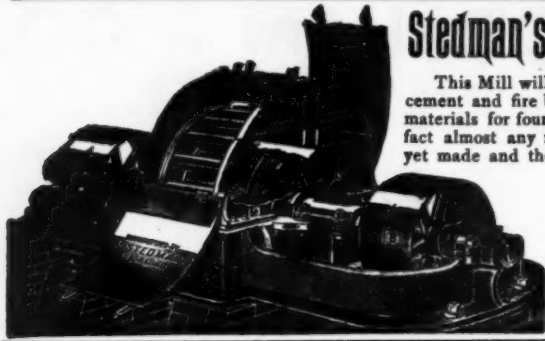
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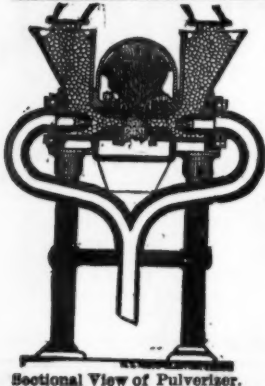


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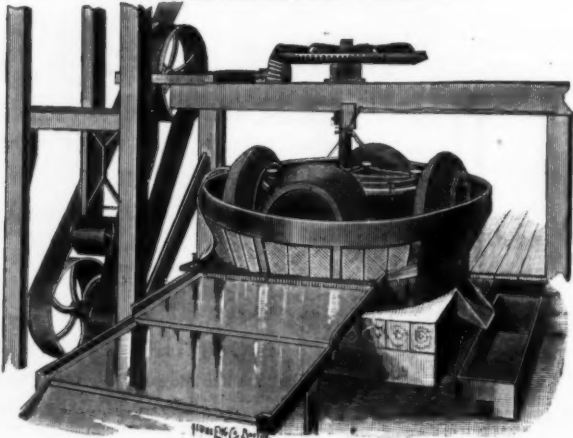
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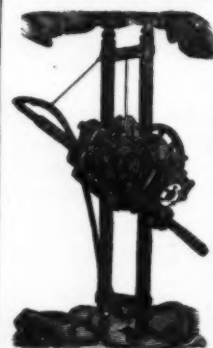
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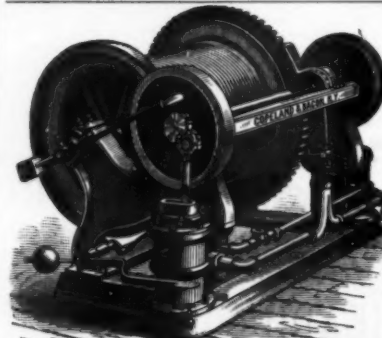
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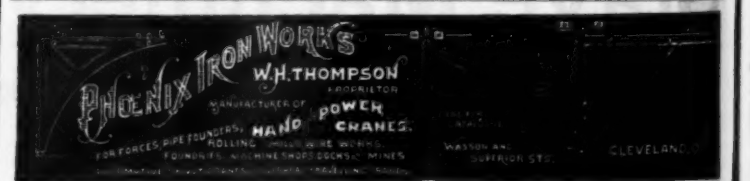
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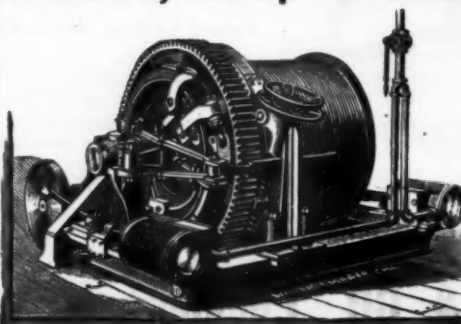
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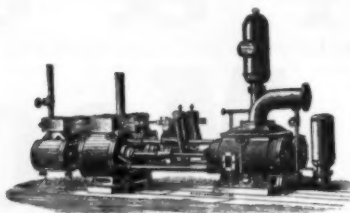
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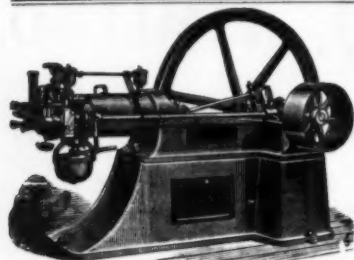
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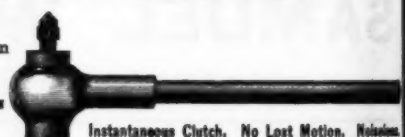
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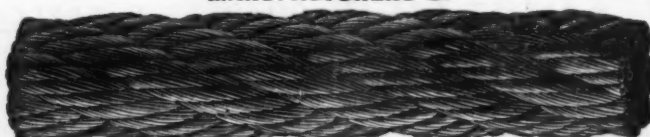
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RICHMOND, VA., April 26, 1888.

*Editor Manufacturers' Record:*

We desire to write you our opinion as to how we regard the MANUFACTURERS' RECORD as a reliable source of information and as an advertiser. We are pleased to say we have found it to be by far the most reliable paper of the kind published, and, as we have subscribed to all kindred papers, we think we are in a position to judge. We have discontinued all subscriptions to papers purporting to be of the same class, as we find all the information regarding the erection of new enterprises in the MANUFACTURERS' RECORD about one week ahead of any of the other journals. Through your Construction Department we have secured some of the largest orders placed in the South for rubber and leather belting, among them that of the Empire Lumber Co., at Empire, Ga., to whom we furnished some \$2,000 worth of belting; the Orange Park Lumber Co., at Orange Park, Fla.; the Brenham Oil Works, Brenham, Texas, and many others too numerous to mention. We cheerfully give you an advertisement, and feel assured that the money is well spent. We will say we do not believe in newspaper advertising, and your paper is the only one in which we would care to have an advertisement of any kind. We have been subscribers to the MANUFACTURERS' RECORD for three or four years, and intend to keep up our subscription as long as the paper is published.

Very truly,

GARCIN, MOSELEY &amp; BÖHMER.

**Fletcher & Thomas, Manufacturers of  
All Kinds of Brick-makers'  
Supplies.**

INDIANAPOLIS, IND., April 6, 1888.

*Editor Manufacturers' Record:*

We are happy to say that the direct results from our advertisement in the MANUFACTURERS' RECORD have been very satisfactory. Our trade throughout the South since January 1 has more than doubled that of last year, and very largely we know this has come from the fact of your paper reaching to all quarters, and directly to those who are looking for improved machinery. Hardly a day passes that we do not receive letters saying "we see by the MANUFACTURERS' RECORD that you have improved brick machinery, etc. etc." We heartily recommend your paper as a medium for reaching the people.

Yours very truly,

FLETCHER &amp; THOMAS.

**F. F. Adams Co., Manufacturers of  
Patent Household Articles.**

ERIE, PA., March 10, 1888.

*Editor Manufacturers' Record:*

The "ad." we have in your paper we consider one of the best investments we have made this year. We are receiving numerous enquiries from first-class houses, asking for catalogues and best cash prices. This is our second year with you, and we can trace a number of our orders direct to our "ad." in the RECORD. We have tried other papers who claim to reach the trade we are seeking, and have settled on the MANUFACTURERS' RECORD as being superior to all others for Southern trade. Yours truly,

THE F. F. ADAMS CO.

**F. F. Waters Manufacturing Co., Manu-  
facturers of Smith's Patent  
Friction Drill.**

BOSTON, MASS., February 4, 1888.

*Editor Manufacturers' Record:*

It gives us pleasure to state that our "ad." in the MANUFACTURERS' RECORD has brought us, on the average, about 30 letters per month. We consider it a paying investment. Respectfully,

F. F. WATERS MFG. CO.

**Cordesman, Meyer & Co., Manu-  
facturers of Wood-Working  
Machinery.**

CINCINNATI, O., January 11, 1888.

*Editor Manufacturers' Record:*

We are highly pleased with the returns from our advertisement in your journal, and take pleasure in recommending it to others in our line as a valuable medium for reaching the trade. Yours very truly,

CORDESMAN, MEYER &amp; CO.

**"The Road to Slavery."**

A letter from a Tennessee business man to Hon. Wm. D. Kelley, M. C., is published elsewhere in this issue. It is a remarkable paper, and presents new views of free trade and the Mills bill that are entitled to careful and serious consideration. The bitter fruits of England's free trade policy were never more clearly set before thinking men. The statement that a nation that attempts "to so legislate that it can buy cheaper than it can make" enters upon "the road to slavery," is as true as it is startling. Equally true is the declaration that "whenever labor ceases to be profitable it will stop at the starvation limit." Other sentences stand out with a force and directness that fit them to be published as terse paragraphs, after the style of the Book of Proverbs. Take the following as illustrations:

"All that is beyond barbarism and savagery is based upon profit."

"Free trade simply reduces the most fortunate to the level of the most unfortunate."

"Just so far as this country shall adopt a policy of grinding its industries, whether of agriculture, of manufactures, or of commerce, against the industries of less fortunate countries, just so far must it approach the lower levels of freedom and prosperity in less fortunate countries."

"The operation of our protective tariff has been to generate the very atmosphere of prosperity, which, like the atmosphere of nature, encompasses and gives life to all."

"The thoughts of the few who think themselves leaders only follow the work of the many."

The concluding paragraph, in which the wealth of the Southern Appalachian belt is described, winds up with a truth that every member of Congress ought to heed. After saying that it surpasses the natural wealth of New England and Pennsylvania and Ohio combined, he adds: "Yet it is a wilderness, and if Southern Representatives can have their way \* \* it will remain a wilderness until the end of time, or at least to the end of their time."

We urge our protection friends throughout the South to see that this remarkable letter has many readers. We know that they are not willing to have anything interfere with "the development of the great wealth of the South stored up in her mountain wildernesses." We are assured that they can never be persuaded to assist in digging "the foolish and cruel pitfalls" which unwise Congressmen propose to open by the passage of the Mills bill or any similar measure. Neither the South nor any other section desires to enter upon "the road to slavery."

THE Cherokee Falls Manufacturing Co., Black's Station, S. C., will increase their capital stock to \$125,000, to put 2,000 additional spindles in their cotton mill.

**Home Trade the Best Trade.**

One chief plea of those who would remove protective duties from the American tariff is that the lessened cost of all materials used by our manufacturers will enable them to compete successfully with those of other countries for the trade of the world. Great stress is laid upon the profits that will accrue from foreign markets. Grand pictures of the fleets that will be built to carry the American flag to every port, and of the commerce that will spring up between our own and other nations, have been painted by free trade orators and writers. If one-half that is promised could by any possibility be realized, then indeed would begin a golden era such as no nation has ever known. The magnificent commerce of England would be insignificant to that America would soon possess under the practical operations of the policy our free trade theorists would inaugurate. All this is very delightful. The picture is charming. Why not drop all opposition, accept these prophecies as true, and start the country on a career that will bless the poor with abundance and swell the riches of the opulent? Everybody wishes prosperity. We all hope and work for it. Hands and brains toil incessantly to secure it. How much easier and better for everybody if the haven of all hopes and all efforts can be reached by dropping protection and adopting free trade! Why not do this?

Americans are impulsive. They respond promptly and liberally to all calls that enlist their sympathies, they are instantly aroused by whatever touches their material interests, their political convictions or their moral sentiments. But however impulsive they may be they possess also that invaluable gift of "sober second thought" which comes into action whenever an emergency arises. The surface may be ruffled by diverse winds, but the tides of popular feeling ebb and flow with the majesty and power of the oceans whose billows break upon our eastern and western coasts. This "sober second thought" is the country's salvation. In exercising it the people submit all questions of public policy to the tests of experience and to the stern logic of facts. Herein lies the strength of protection and the weakness of theoretical free trade. The country has tried both and knows what has resulted from each. The first has invariably secured general prosperity; the second has disturbed and then destroyed the nation's industries and filled it with financial wrecks and ruined homes. All past experience proclaims the blessings of the one system and the evils of the other.

But, say the free traders, times and circumstances have changed, and we must change with them if we would have the country prosper. Sixty million people are not subject to the same economical laws that con-

trolled twenty million. This country is no longer an infant; it has become a giant. It no longer needs protection; it must become aggressive, and tearing, off the swaddling clothes that fetter it, it must put forth its strength and conquer the markets of the world. This sounds extremely well, but it will not stand practical tests. Submitted to these it has no more substantial value than the beautiful bubbles that float from the child's pipe, glow with prismatic hues for an instant, and then vanish forever. Foreign trade is the glittering bubble offered in exchange for the home trade of sixty million of the richest, the most progressive, the most highly civilized people in the world. In order that we may compete with Great Britain and Continental Europe in foreign markets we are invited to give them free access to our own. To this proposition there are many and serious objections, which must be removed before it will be accepted. First and most important is that of opening our home markets to foreign competition without exacting any return. This proposition is one of serious moment. It was Henry Clay, we think, who formulated the sentence, "Sell close at hand; buy close at hand." In that pithy maxim the American idea is crystallized. The meaning of it is that home trade is the best trade. This has been illustrated in every part of the United States where men and women are employed in gainful occupations other than those of agriculture and horticulture. It has never been more fully and happily exemplified than it was in the Press, of New York, last Sunday by that eminent divine, Rev. Edward Everett Hale, who, in a characteristic article, gave an entertaining account of his recent visit to a New England country place, where he spent many happy holidays more than 40 years ago. (If Dr. Hale had not copyrighted his letter the MANUFACTURERS' RECORD would have taken pleasure in copying it in full.) By numerous illustrations of the value of a home market to small farmers who sold all they produced to the wage-earners in their immediate vicinity, Dr. Hale shows beyond question that produce sold at home is what makes the farmer's work profitable in America, and correlatively, that manufacturers build up centers of population as the farmer's market. At the risk of a suit for infringement from that talented writer we copy two items of his entertaining letter. The doctor was making a trip with "Uncle Tom Torrey" through the country where in his youth he had caught trout, gone chesnutting, shot squirrels, and otherwise enjoyed himself after the manner of New England country lads. But let him tell the story:

It was a beautiful country we drove through, intervals for a little way, and then a broken hill country which I remembered much more thickly covered with hemlock and spruce and pine than now. Indeed,



forty years ago I knew every inch of it. I had fished all these brooks for trout in the summer, and knew some of the wood roads better than the farmers themselves did. But forty years had kept me away from my old haunts, and I was astonished, as all men are who reflect on the growth and gain of everything in America at that time. Uncle Tom was rather eager to show off the causes of the change. Thus, when we passed a charming house and orchard, with pretty shrubs and a garden, "That's eggs," he said. "Just eggs and nothing else. There—see that brown low building? that's the hatching house—nothing so old-fashioned as setting hens now. Now, do you know, all of their business there—that's one of their yards—there, that's another—all their business there was started by that lady—well, she isn't as old as you are now—she started it the year her husband died. Nine children, you know, must do something, and she set 'em on eggs. I remember the first time she came down to me—she had nine dozen eggs, 'and every egg, Mr. Torrey,' says she, 'was hatched since Monday.' They was all fresh, you see. Well, out of that beginning, out of that nine dozen, has grown that pretty home, that stable, sons in college, son in trade in Liverpool—and all they are doing, as you see there, it's eggs, all of it."

So, in a minute, he showed me a beautiful bit of garden farming. "That's part celery," said he, "you don't see the celery now. More of it is cabbages. Yonder, where I can't show you, is peas and beans and such. But they rely mostly on cabbages. Do you know, they tell me that cabbages is one of the things you can't make too many of. Cabbages is one and oranges is another. They say the market never breaks. Well, he built up that business; a very good fellow he is—name is Murphy—he got a lease of that bit of land; he's owned it all along ago. He begun on cabbages and went into celery."

The South, during the past decade, has seen numerous illustrations of the truths thus pleasantly set forth. The new manufacturing centers in every State have created home markets for everything the farms and gardens produce, and for very much more that has to be transported long distances to supply the ever-increasing demand. (It is an odd and telling circumstance that within five years cabbages have been imported at New York from Germany, and then shipped to various Southern cities, proving that Uncle Tom Torrey was right in saying that "cabbages is one of the things you can't make too many of.") If we turn from the products of the earth to those of mechanism, we find the same rule holds good. Wherever there is a manufacturing center, there the number of retail stores is increased, and the variety of goods carried by them far exceeds what was kept in old times. Everything useful and ornamental found in ordinary stores at the North may be seen in stock in Southern retail stores. In such places trade is no longer limited to a few staple articles of food, apparel and hardware, but runs into many lines of goods that ten years since would have found no customers. The difference between the stock carried by a general country store in any Southern manufacturing town now, and that which met all needs when none but farmers were its patrons, is a true indication of the changes wrought by the introduction of diversified industries. It tells also the value of the home market to all classes

of producers. It proves that Henry Clay's apothegm, "Sell close at home; buy close at home," is the one true rule for Americans. Compared with the immense aggregate trade this furnishes to all, farmers, manufacturers, merchants, throughout the United States, how insignificant relatively would be that share of the foreign trade we should possibly get from our European rivals by consenting to adopt the free trade policy and throwing open our home market to their free competition.

There is another thing our free trade theorists have blindly or else purposely overlooked. Protection has developed the skill and ingenuity of Americans to such an extent that they are now selling many kinds of goods to foreigners that were formerly brought here from abroad. Our cutlery takes the lead in the British markets; our cotton goods go to China, Japan and the British East Indies; our agricultural implements take precedence in Australia of all others; our watches and clocks are bought and appreciated all over the world; our stationary is exported more largely than by any other country, while a multitude of other things of lesser note and value find a ready market wherever civilization exists. A pursuance of our protective policy will increase in growing ratio the foreign demand for American products and at the same time build up our home trade. These are some of the things free traders must overcome before they persuade the people of the United States to adopt their inane and baleful policy.

#### A Large Sum to be Invested in Manufactories at Florence.

The Florence Land, Mining & Manufacturing Co., of Florence, Ala., have donated to James S. Lawton, of Atlanta, Ga., and associates, 1,000 acres of land in and near Florence, 4,000 acres of mineral and timber lands in Tennessee, and \$150,000 of their stock, in return for which Mr. Lawton and associates, who will organize as the Florence Railroad & Improvement Co., have contracted to have established at Florence within one year manufactories of various kinds to cost \$250,000, and within two years manufactories to cost \$1,000,000. This deal secures to Florence a large sum of foreign capital to be invested in manufacturing enterprises, and will hasten the onward march of Florence. The investing of such a sum in manufactories will not only be a benefit to Florence, but to the surrounding country, as the growth of Florence in manufactures means that the farmers will have a home market for their surplus products.

THE Pacolet Manufacturing Co., Pacolet, S. C., have declared a semi-annual dividend of 5 per cent., and the Troup Cotton Factory, La Grange, Ga., a semi-annual dividend of 4 per cent.

#### Progressive and Prosperous.

##### What Selma Is Doing to Utilize Her Natural Advantages.

(Special correspondence MANUFACTURERS' RECORD.)

SELMA, ALA., May 12, 1888.

While first impressions are not lasting, and are frequently subject to mutations of time and circumstance, yet it will be acknowledged that they leave their stamp upon the mind, and oft, imperceptibly, exercise an influence in the forming of judgment or opinion. Were this not so, there would be no explanation of the undeniable existence of a desire in human nature that impressions first formed should be of a pleasing and favorable character. We find this in individuals and in communities. What questions are more universally asked the strange man—"What do you think of our city?" "What is your opinion of its present and future?"

And why? Because there is an involuntary acknowledgement of the value of first impressions, and an anxiety to know whether these impressions have been favorable or otherwise. These reflections are occasioned by a recent visit to the charming city from which this epistle is dated, and I can but congratulate its enterprising and growing community upon the fact that they may always anticipate response to such interrogatories that will be pleasing to their local pride, and gratifying to their laudable ambition to advance their city to the furthest milestone on the road to prosperity and greatness.

##### ITS LOCATION AND COMMERCIAL FACILITIES

Selma is beautifully and advantageously located on the northern bluff of the noble Alabama river, which is open to navigation the entire year, furnishing a natural highway of commerce to the gates of the Mexican Gulf, as well as the great commercial centers of the Atlantic coast and the world beyond. This great advantage, which secures to the city remarkably cheap freight transportation, is supplemented by the railroad facilities, which are of a varied and superior character. The Selma & Pensacola Railroad in its title indicates the terminal points of a road which stretches from the southern boundary of the cotton belt through the immense forests of pine which mark the country continuously southward to the Gulf, linking the agricultural, timber and stock interests directly with the mineral interests of Central and North Alabama. The Selma & Montgomery Railroad, giving close connection with the capital of the State, intercepts at that point the great systems of the Louisville & Nashville, the Western Railway of Alabama, the Montgomery & Eufaula Railroad and the Montgomery & Florida Railway, the East Tennessee, Virginia & Georgia Railroad, the Cincinnati, Selma & Mobile, the Selma, Rome & Dalton, the Selma & New Orleans, and the Chicago & Pensacola Grand Trunk Railway and the Atlanta Air Line. With such connections and her command of the Alabama river, it will be readily perceived that few cities are more favored than Selma, or have grander prospects as a flourishing manufacturing and shipping center. Even the casual observer who treads for the first time her beautiful shady streets cannot fail to be impressed with the magnitude of the future which stretches out before her people.

##### INCREASING THE FACILITIES.

Selma, however, is not content to enjoy her present benefits; she seeks for greater. Her people are enthused with the progressive spirit of the age, and, imbued with the faith that "the Gods help those who help themselves," they have energetically set themselves to the work before them. The importance of extending the Selma & New Orleans line through the rich agricultural and timber regions of Alabama and Mis-

issippi, and thus enhancing its present advantages to the city, could not be ignored. The rich and inexhaustible coal fields of the Cahaba region are only forty-five miles from the city, and the purpose of the Chicago, Pensacola & Grand Trunk Railway, now in course of construction, is to make this connection; this object must be facilitated; the great value of the Atlanta Air Line in giving close and direct communication with the capital of Georgia was apparent. Here, then, were three great enterprises presented to the people of Selma, the accomplishment of whose object means wealth and commercial growth. Talk is pleasant and easy; wishes are juvenile; action has force and weight Selma considered and acted. Her land improvement and furnace company appropriated the sum of \$94,500 as a subscription to these three great railroads in equal proportion, and the citizens of Selma will add to the Cahaba Valley Railroad subscription \$100,000.

With her present railroad facilities and the completion of these grand enterprises, Selma will be one of the greatest railroad centers in the South.

##### SOCIAL AND BUSINESS ADVANTAGES.

Selma duplicates in part the history of Atlanta in having been terribly ravaged by Federal troops, and dates her progress from the close of hostilities between the States. On the 2d of April, 1865, Selma was captured by Gen. Wilson with 12,000 Federal cavalry, nearly reduced to ruins, and subjected to the pillage and violence of an army flushed with victory. From the ashes of her desolated places a flourishing city has arisen, and though her growth has not been as rapid as that of Atlanta, her future is as bright and is as certain of fulfillment. To-day Selma is the fourth city in population in Alabama, and is noted for her wealth, refinement and good morals. There are nine churches for white people and about as many more for the colored. A well-organized system of public free schools and a number of fine private schools furnish educational advantages of a superior character. The secret organizations, Masonic, beneficial and charitable, are well represented. There are social and literary clubs, and the amenities of life which characterize the people have given her the reputation of being the peer, socially, of any city in the South.

The principal business of the city is merchandising, the volume of which may be gauged by the number of bales of cotton marketed, varying from 60,000 to 110,000 annually, according to the crop. The changed order of things has, however, given an impetus to the manufacturing interests, and it is from this source that Selma expects to realize much of her future greatness, and it is to these enterprises she is extending liberal encouragement, her investments in this line amounting now to over \$1,000,000. These industries have been inaugurated within the last few years, and the success which has attended them has served to increase investments, and the time is not far distant when Selma will be a manufacturing center of considerable importance. Among her present industries may be enumerated Mathews Cotton Mills, Central City Oil Mills, cotton compresses, machine shops and foundries, barrel and bucket shops, saw and blind factory, carriage and wagon factory and numerous smaller enterprises. The assessed value of real and personal property approximates \$4,000,000, which shows a marked increase upon previous years.

Its proximity to the vast coal fields and iron deposits, both of which will be reached by the Cahaba Valley Railroad, for the completion of which the liberal subscription heretofore mentioned has been made, would indicate that there is no obstacle to Selma becoming the great and



important manufacturing center predicted. A short haul of less than 50 miles will bring the raw material to her doors, and along the banks of the broad Alabama are numerous splendid sites for foundries, rolling mills, furnaces, locomotive works, etc. With the river transportation and her railroad facilities the products of these works could be readily and cheaply transported to every part of the world.

#### BANKING FACILITIES.

The city has two flourishing banks, the City National Bank and the Commercial Bank. The National has a capital of \$300,000, and the Commercial \$150,000. They are excellently and conservatively managed, and are noted for their progressive and liberal policy towards the business community. The latest statements of these banks show for the National deposits amounting to \$712,863.76, and for the Commercial \$510,347.17.

#### THE CLIMATE AND HEALTH.

Selma is specially favored with a genial climate, and, while the winters are remarkable for their mildness, the extreme heat of the midsummer is not greater than that of New York. Its coldest periods rarely exceed a week's duration, and snow is almost an unknown luxury (?), the ground having been but slightly sprinkled with the fleecy staple three times in the past 18 years. The health of the city is superb, as there are no local causes for disease, the system of drainage and sewerage being unsurpassed in the South, and very strict attention is given to all sanitary regulations.

#### OTHER FEATURES.

Selma, which is governed by a mayor and ten councilmen, is divided into five wards, each being entitled to two councilmen. The municipal administration is wise and economical, and at the same time is progressive, and does not carry economy to the verge of penuriousness. The city has a first-class market-house, with subdivisions for fish, meats and vegetables, and is well supplied. The fire department is well equipped and efficient. The gas works supply about 10,000,000 cubic feet annually, and consume some 1,500 tons of Alabama coal. Electric lights have also been introduced in the city. The Cotton Exchange and Board of Trade are composed of the representative business men, and are important factors in its commercial life. The city has a bountiful supply of pure artesian water; is amply provided with telephone and telegraphic facilities, street railways, horse cars and dummy lines and regular steamers ply between Montgomery and Mobile, traveling both ways at all seasons of the year, and carrying freight, passengers and the mails.

There are other advantages possessed by this thriving city which I cannot overlook, though trenching upon the scope of my letter, and they are the magnificent surroundings. The lands immediately around the city are notably fertile and productive, and market gardening can be conducted on the most successful scale. Great attention is being given this branch of industry, and in a few years Selma will be noted for her splendid truck farming interests.

The city is on the onward march. There is no stay to her rapid progress. Her people are fired with the spirit of enterprise and energy, and are reaching out for the grand benefits which the future reveals can be her possessions through proper action.

Ten years ago Selma gave no special promise of what she is to-day. Five years hence, if 'our prophetic cunning deceive us not,' she will present a picture of rapid industrial and agricultural growth that will arouse admiration, and entitle her to a position among the phenomenal cities of the South.

Two important factors in Selma's growth are the Selma Times and the Board of Trade. The Times, under the editorship of Capt. N. C. Graham, is working energetically and untiringly for Selma's advancement, and its work has been fruitful in good results. The Board of Trade is composed of the leading business men in the city, and is an active, progressive body. The president, Mr. W. R. Nelson, is full of the wide-awake, go-ahead spirit of the New South, and is about the best man the board could have at its head. B. H. R.

### A Tennessean's Letter.

#### He Tells Judge Kelley His Views about Free Trade and the Mills Bill.

Neither free trade nor protection are to be counted as theoretical and speculative things, the value of which is yet to be proven. Each has been most thoroughly tried by the two countries best able, from their conditions, to test them to the uttermost—England and the United States.

England, with unlimited money, with a plant in manufactory which made her the workshop of the world, with a commerce that gave her command of the carrying trade of the world, with skilled labor at home, with colonies all over the world, felt strong enough, under the delusive influence of blind leaders, to throw aside all the barriers which protected her own people in an attempt to control the trade of the world by grinding one nation against another. Twenty years ago when the Suez canal was completed, and India, with its 250,000,000 of British subjects—200,000,000 of them engaged in agriculture at wages no civilized and free people can ever be brought to—when teeming and crowded India was thus brought several thousand miles nearer to Europe, England's great trump card was to be played. She was at last to reach the goal of free trade; to be able to buy cheaper than she could make. That is the goal of free trade—to buy cheaper than you can make. That is the goal the blind statesman from Texas is trying to reach by calling a caucus to whip the faithful, that a law may be passed that will enable the American people to buy cheaper than they can make.

England has found that she can buy her bread cheaper than she can make it. Her wheat lands have gone into grazing lands, destroying five-eighths of their power to employ labor and to feed mankind. When she can buy her meat cheaper than she can make it her grazing lands will go into deer parks. She is now finding out that her scheme to grind one nation against another is a failure. Other nations have put up their fences of protection, and every nation is grinding England. She can buy manufactured goods cheaper than she can make them, and the destruction of her manufactures is following that of her agriculture, and a large part of her carrying trade is now without profit. Electricity and the newspapers have made the world a neighborhood. The news of a Democratic caucus comes from Washington simultaneously with news from London as to some of the results of an investigation now going on by a select committee of the House of Lords into the 'sweating system,' a free trade institution by which British manufacturers are grinding the faces of English workmen and working women.

While England is gathering the bitter fruit of free trade a Democratic caucus is to be held at Washington to plant the seeds in America!

Of all the foolish and cruel pitfalls that a nation can dig for itself, an attempt to so legislate that it can buy cheaper than it can make is the worst! It is the road to slavery. Profit is the first law of trade, the first incentive to labor, except starvation. Whenever labor ceases to be profitable it will stop at the starvation limit. All that is beyond barbarism and savagery is based upon profit. Free trade simply reduces the most fortunate to the level of the most unfortunate. It is throwing our happy lot into a blind pool against the combined misery and pauperism of the world. Just so far as this country shall adopt a policy of grinding its industries, whether of agriculture, of manufactures or of commerce, against the industries of less fortunate countries—and no country on earth is so fortunate as ours—just so far must it approach the lower levels of

freedom and prosperity in less fortunate countries. If we pull against each other it is easy to tear down our prosperity. The road to hell is paved, and down grade!

But we have a continent to develop. It is the richest by nature, the most capable of sustaining and increasing prosperity, upon which the sun shines. We have only to pull together, to stand by each other, to help each other, to protect each other. There have been differences in our institutions and in our conditions out of which naturally and inevitably grew up differences of policy in different sections. But they were artificial, not natural differences. Nature had made us one country and given to each and every portion the elements of prosperity and happiness, but man had made us two countries. Part of our country was blessed with freedom, part of it cursed with slavery. The North, with its free public domain, stimulated by the operation of the homestead and land grant laws and the tariff, was still further stimulated by slavery in the South, which, by shutting out from that section the vast tide of emigration and capital, concentrated its whole force upon the North and the West. The Eastern States of the North, aided by the capital and emigration from the old world, had the stupendous contract of creating out of a wilderness the great empire of the West—such a contract, with such results and such profits, as the world never before witnessed. The South—retarded by her institutions, devastated by a war brought on to establish the Southern confederacy on the basis of free trade founded on slave labor—had little or no share in the growth forced by the national policy, notwithstanding the wonderful abundance and variety of wealth nature has lavished upon her. But that has passed away. The New South is coming forward rapidly, but its growth, great as it has been, has resembled that of the West prior to the close of the war—rapid, local, scattered and crude. But the South is now at the threshold of a growth like in character, but greater in extent, than that which took place in the North and West after the war, when the "local boom" gave way to the great foundation of railroads then built, upon which the West grew up naturally, solidly and at a rate entirely unprecedented in the days of local booms. I say the growth to come in the South will be greater than that which, without parallel in the history of the world, we have seen in the past quarter of a century in the West, for two reasons: first, because the natural wealth of the South, in its abundance and variety, is greater than that of the West; and secondly, because (for the time being at least) the Western growth has reached the limit of its market and must find a new one. It will not find it in foreign trade or foreign investments. Competition from India, from Russia, from Australasia, from the Pacific coast and from South America in the foreign bread-stuffs market is more likely to lessen than any other possible forces are to increase foreign markets for Western products; and so the Eastern and Western States of the North must double team to develop the South as the West was developed by the East. Both the field and the working force for Southern development are larger than they were for Western development, and the results will be in proportion. The South is the only field large enough to afford scope for the energy and capital of the North.

A Texas steer might stand as much chance to stop a mogul engine with a loaded train behind it, running forty miles an hour, as the blind statesman from Texas, even with a Democratic caucus behind him, has to stop the march of the American republic. True, the steer might derail the train, but the train would be put

on the track again, and the steer would not!

The tariff is not a local issue, a thing to benefit one section of the country or one class of her citizens at the expense of another section or class. There is no section, no port, no locality, no citizen of the Union but it will benefit and enrich. If it were otherwise it would be unworthy of free, honest, intelligent men. No bargain is a good one that is not good for both sides. The operation of our protective tariff has been to generate the very atmosphere of prosperity, which, like the atmosphere of nature, encompasses and gives life to all.

In our wonderful country, upon which nature has lavished a wealth of material resources and advantageous conditions unknown to any other country or people in the world, and which the energy and enterprise of our people have developed at a rate which finds no parallel in history, nor any approach to a parallel, material conditions change and grow more rapidly than ideas. The thoughts of the few who think themselves leaders only follow the work of the many.

The cry for free trade comes from a President who took no part in the thought or work of the country in the rush and struggle of the past quarter of a century, out of which has come our magnificent growth of wealth, and from the old leaders of the South in the days when a cotton-growing and slave-holding oligarchy ruled that fairest part of our country with a rod of iron. Their rule was a blight and a mildew to their own section, and their madness would have utterly destroyed it but that their defeat liberated white and black alike, and gave opportunity for the development of Southern wealth. The greatest blessing which the tariff will bring to any section it will bring to the South, because nature has given her the greatest abundance and variety of natural wealth, which can be profitably exchanged with all portions of the country to the advantage of all and to the enrichment of the South. This is the compensating feature which nature gives for the unmeasurable wrong done to the South by her false leaders and the institutions which repressed her growth. With the foundations of her system of transportation connected by a line which would cross the great belts of mineral, forest and agricultural wealth of the South, and the existing lines of railroads running parallel with and between these belts, will come at a bound the development of the great wealth of the South, stored up in her mountain wildernesses.

South Carolina is for free trade. Still for free trade, though slavery is gone and she has outgrown the conditions which rice and cotton cultivation can satisfy! Yet the world does not hold such another region of wealth as that which lies back of South Carolina, and the development of which, under a protective tariff, is certain and assured. Taking the great wilderness of the coal field of the Cumberland plateau; the rich and fertile valley of East Tennessee, with its belts of fossil and limonite ores, its beds of marble, its clays and limes; the forest and mineral wealth of the Great Smoky and Blue Ridge mountains that lie between East Tennessee and the Western Carolinas, with every valuable tree that grows from Maine to Florida, and here growing in a size and profusion unknown elsewhere; with its vast stores of specular and magnetic iron ores, its great wealth of copper, of slate, of fire-clay, kaolin, talc, marble, mica, asbestos, corundum; with its magnificent water powers, its wonderful conditions of climate, and its beauty, and beyond, to the east, and covering the country down to the sea coast, great forests of yellow pine, and the natural wealth of New England and Pennsylvania and Ohio combined will not equal it. Yet it is a wilderness, and if Southern Representatives can have their way, through a Democratic caucus, it will remain a wilderness to the end of time, or at least to the end of their time.

### New Double Pitman Press.

The accompanying engraving illustrates a new double pitman press, designed for heavy cutting, forming and perforating in the sheet metal line. They are used in the manufacture of gasoline stove tops from sheet steel, in forming panels and mouldings for ceilings from sheet iron or steel, for punching single or double rows of

hub of gear, so that the lost time can never exceed one-third of a revolution after depressing the treadle before the clutch engages the gear and communicates motion to the cross-head. When desired, the press is set on short, heavy frame legs, but for some classes of work this is not desirable. The E. W. Bliss Co., of Brooklyn, N. Y., manufacture the press, and may be applied to for further information.

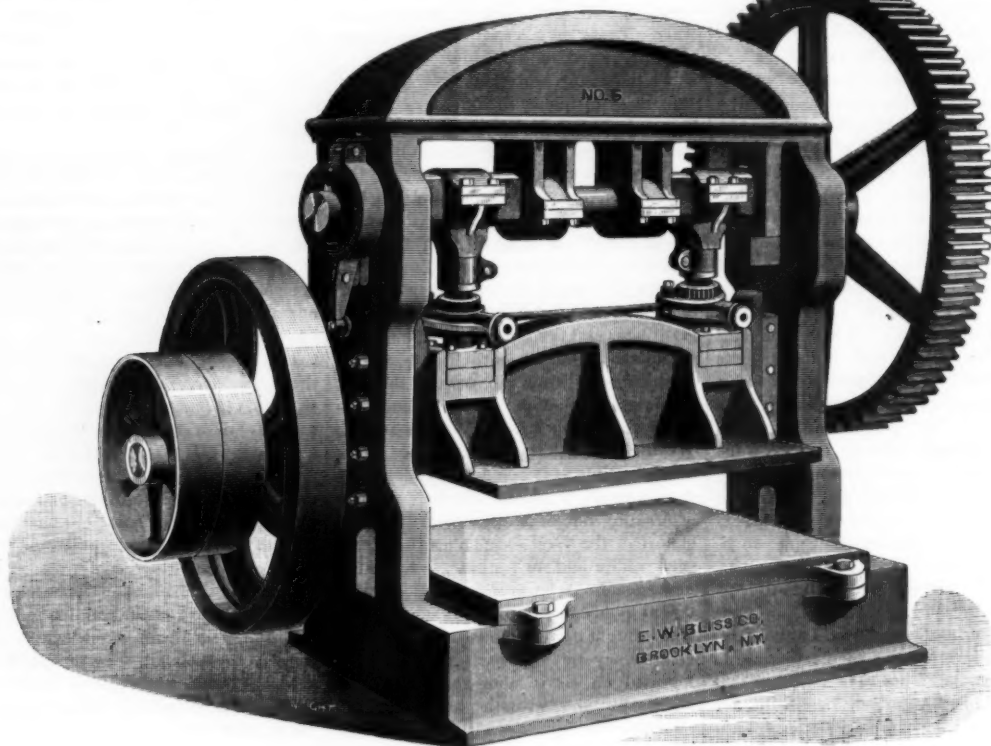
pressure bar, after the cut, is adjustable. Both pressures come very close to the cutters to admit of planing very thin or short pieces without chipping. The cylinder shaft is made of a fine quality of hammered crucible steel. There is a steel chip breaker, made from fine tool steel, under the cutter to prevent tearing cross-grained or easy lumber. The cylinder is driven with pulleys on each end. The bed has

further information address the manufacturers, Messrs. Frank & Co., Buffalo, N. Y.

### Window Screen Frame.

The Stuart window screen frame that we illustrate in this issue is manufactured by E. C. Stearns & Co., Syracuse, N. Y., and is being handled and sold by the leading wholesale and retail hardware trade.

The unique appearance and the ease with which it can be made and put together are the special features of this screen. The mouldings are furnished 26 inches long and coped on one end to en-



NEW DOUBLE PITMAN PRESS.

holes in sheets of iron for kitchen boilers, tanks, etc., and for other work of similar character. The press frame is a single casting, the width between uprights as ordinarily used being 54 inches, and when intended for punching holes in long strips of iron, openings are cored in the upright portion of frame so long strips may be passed through from right to left. The cross-head slides in V-shaped bearings made adjustable to take up for wear, and receives its motion from cranks turned on the forged steel shaft (which is 4½ inches in diameter) through two pitmans, the lower end of which, working in sockets attached to the top of cross-head, as shown in cut, form ball and socket joints. The pitmans are made adjustable, the lower portion being threaded to suit corresponding thread in upper portion, and the latter being split and provided with binding screw, securely fastens the pitman when properly adjusted. The lower portion of pitmans each have a ratchet device, and are connected in such manner that when a bar is inserted in socket on either of them and moved back and forth, both screws work alike in raising or lowering the cross-head, which is thus always kept perfectly true, and the adjustment can in this way be made in a fraction of the time required when the two pitmans are moved independently. The large gear wheel on crank shaft is 5 feet in diameter by 6 inches face, and is driven by a pinion on end of back shaft, which runs in bearings bolted on back of press frame, the proportion of gears being 7½ to 1. Upon the other end of the back shaft is mounted the balance wheel, 45 inches in diameter by 6 inches width of face, and weighing 900 pounds; also the tight and loose driving pulleys 24 inches in diameter by 6 inches width of face. The back shaft and large gear wheel may be run continuously, and the clutch connecting gear to crank shaft thrown in at will by depressing the treadle, not shown in cut. Three slots are cut in the

### Cabinet Makers' Planer.

The cabinet makers' planer illustrated herewith is built very strong and heavy. It will plane 26 inches wide and 8 inches thick. It has long and heavy bearings, and is well adapted to all kinds of surface planing. The feed rolls are 3 inches in diameter and heavily geared. The feeding in roll has weighted pressure; the out-

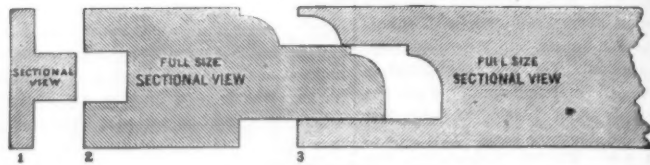
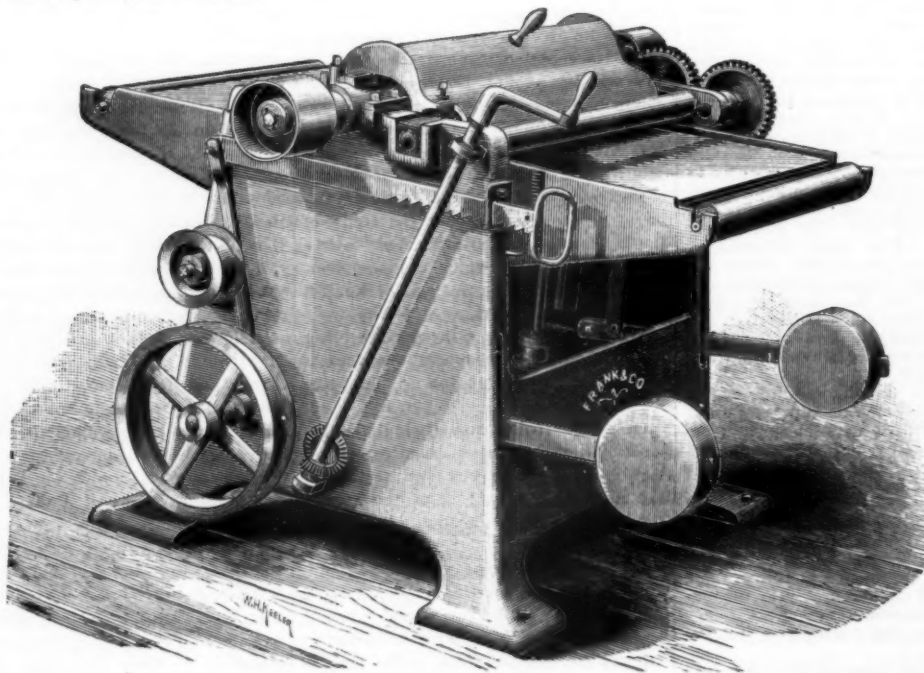


FIG. 1.



CABINET MAKERS' PLANER.

feeding roll, rubber spring pressure, and has a covering to keep off dust and shavings. It has pressure bars each side of the cylinder. The one in front is lifted by the bearings of feed roller, giving it always the same relation to the lumber, whether a light or heavy cut is being taken. The

four friction rollers. It is extra heavy and gibbed. It is easily raised or lowered for planing different thicknesses of lumber. It has an index to show thickness. The counter has tight and loose pulleys, 10-inch diameter and 8-inch face, and should make 1,000 revolutions per minute. For

and the wire cloth is shown broken away to expose to view the small strip 'a,' which is furnished to tack over the wire cloth.

There are sticks, as shown by No. 1 in Fig. 1, to allow the screen to slide up and down; thus the window can be raised and lowered without disturbing the screen.

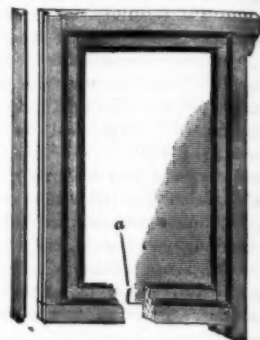


FIG. 2.

gage the adjoining piece as shown on section view, Fig. 1. All that is necessary in making a frame is to slide the mouldings along on one another to the required size, fasten with nail or screw and saw off the end.

These frames are equal in design and finish to those made by sash and door manufacturers, and they are retailed at from 25 to 30 cents, all stained, which is at a much lower price than the cost of the usual square stick, with half round moulding to tack over the wire cloth.

Fig. 2 shows the frame put together before the mouldings have been sawed off.



### Planer Tool for Locomotive Driving Boxes and Curved Surfaces.

This invention is applied to an ordinary planing machine, having a longitudinally moving bed and a vertical adjustable cross-head.

The tool is made of a forged bar, heavy and strong, to withstand the strain to which it is subjected. At the lower end of the bar is a circular enlargement, and at



FIG. 1.

the rear of the bar is a groove and a shaft, or spindle, upon which is mounted a gear; at the front of the bar is a face-plate, or head, with a vertical guide for tool carrier. The carrier is made with a vertical adjustment by means of a screw and nut. The gear fastened to face plate, or head, is driven by the gear pinion upon the end of rear shaft, which rests within the groove at rear of the bar, which gives the rotation of face-plate and tool-holder, and can be driven by hand or feed gear wheels.

Supposing it is desired to plane out a number of driving boxes, they should be

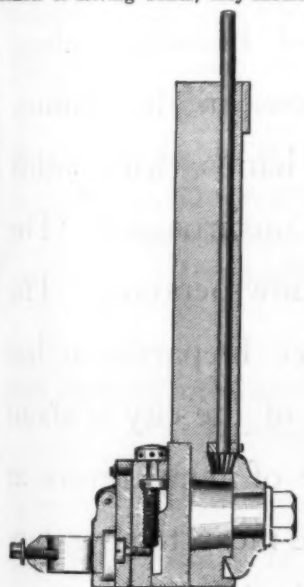


FIG. 2.

suitably placed in line and fastened between angle irons to planer bed. The bar, or tool, is then placed in planer tool post and properly secured and adjusted. The planer is then set in motion, and at every stroke of the planer a suitable partial revolution to the shaft may be given and a corresponding movement will be given to the tool, which moves around the center formed by the spindle, and the entire circular part of the driving boxes, by repeated movements of the planer bed, or table, will be planed out. Should the operator

prefer, both shoulders of the driving boxes may be squared up before the circular part is begun.

An important advantage arising from the use of this tool is that a number of boxes may be operated upon at one time, the number being only limited by the length of the planer table, and the work will be found with greater accuracy, which will make the boxes interchangeable.

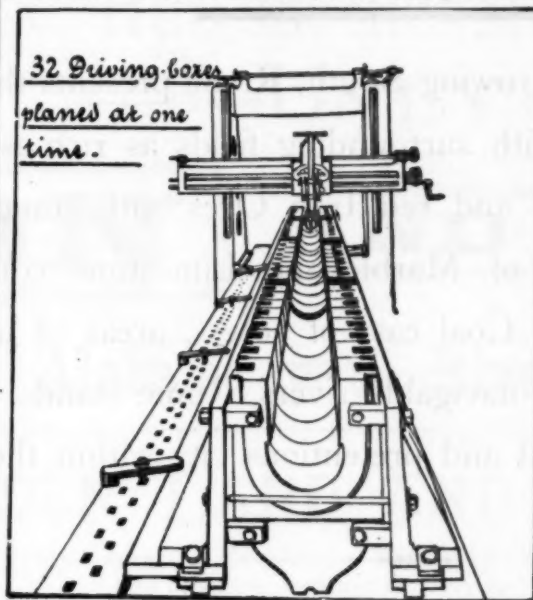


FIG. 3.

This tool is not confined solely to the planing of driving boxes, but can be and is used for performing any work requiring accuracy and the movement in circular form.

The makers say it has been found to be much superior to slotting, and a saving of 100 per cent. This tool is in use by the Chicago, Burlington & Quincy Railroad Co., giving

25-foot planer, planing 32 driving boxes; Fig. 4 shows enlarged view of tool on planer. The manufacturers are Pedrick & Ayer, 1025 Hamilton street, Philadelphia, Pa.

### Emery Wheel Grinder.

The accompanying cut shows an emery wheel grinder for surfacing work, and is

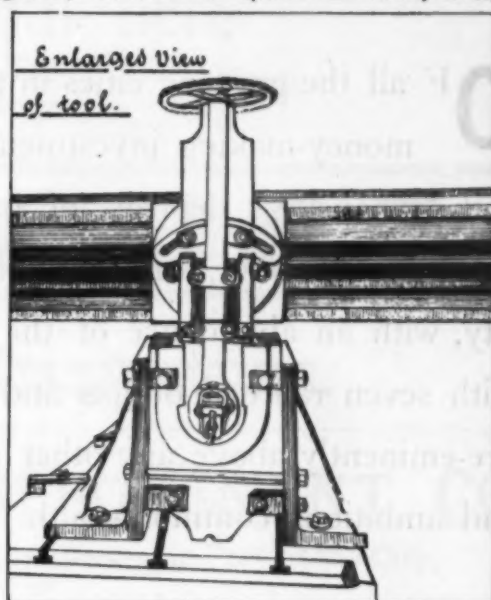
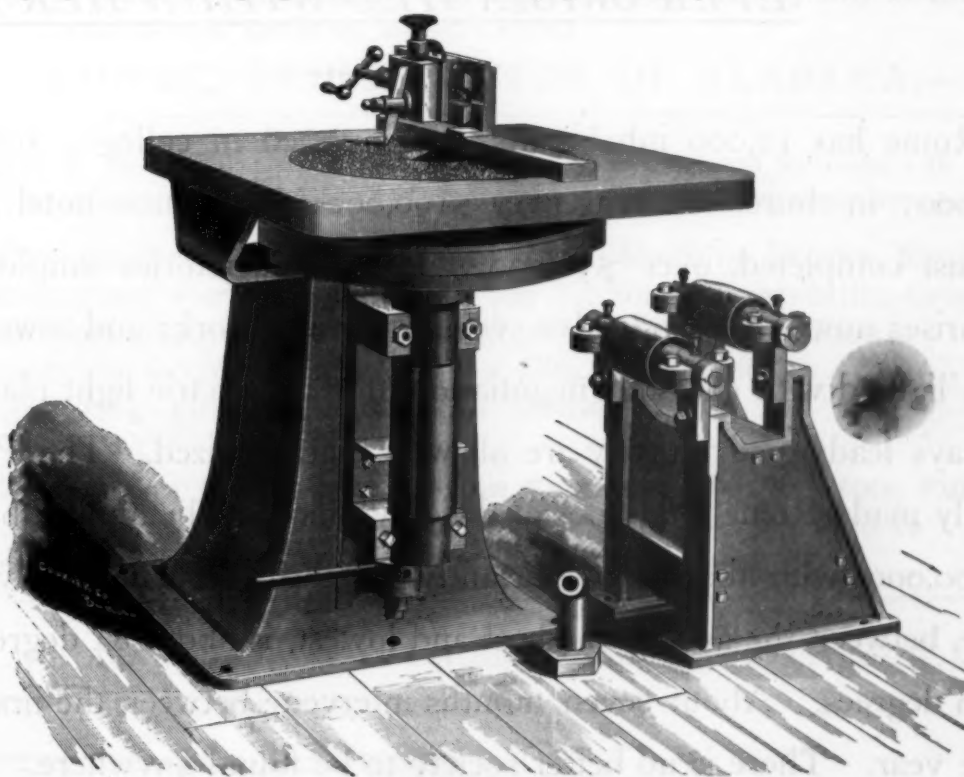


FIG. 4.

especially adapted to such pieces as can be held in the hand, and in many cases finished in less time than they could be secured to a face plate, angle iron or put in a chuck.

The cut shows a slide rest set edgewise for using a diamond tool for truing the wheel. It is easily removed when not in use, and the cross bar to which it is attached is useful in steadying the work.



EMERY WHEEL GRINDER.

most excellent results. At their Aurora shops they have a 25-foot planer, upon which is placed 32 driving boxes at one time. The planing for the cellars and shell bearing is finished complete in 36 hours, at the rate of 24 cents per hour, making the cost of all planing 27 cents per box.

Fig 1 shows the tool as made; Fig. 3 shows section of tool; Fig. 3 shows tool on

The machine stands 88 inches high. The base on the floor is 30x36 inches and the table is 30 inches square. The emery wheel is 20 inches in diameter, 6 1/4 inches deep, mounted on 2 1/2 inch steel spindle that is secured to a gibbed carriage running over dove-tailed track and raised by a screw as wheel wears away. It is manufactured by the Springfield Glue & Emery Wheel Co., Springfield, Mass.

pleasure and profit. Every household should subscribe to it, as it affords a most delightful way to amuse and instruct the young. D. Lothrop Co., Boston, Mass., are the publishers.

If you wish to keep posted on the progress of the South, read the MANUFACTURERS' RECORD. Price \$4.00 a year.

### Literary Notes.

BABYLAND for May, published by D. Lothrop Co., Boston, Mass., contains much to interest the little ones. The beautiful picture "Baby boy and the Baby Birds" with which it opens, will doubtless win the admiration of its many thousand infantile readers. and the stories, "How the Walk was Spoiled," the "Birthday Horse,"

# ROME, GA.

OF all the growing cities in the growing South, Rome presents the greatest opening for money-making investments, with surrounding fields as rich as the lands of Goshen, with exhaustless deposits of brown and red Iron Ores and Manganese immediately at hand on all sides, with mountains of Marble and Limestone coming right up to the city, with an abundance of the best Coal easy of access, areas of untouched forests, and with seven railroad outlets and two navigable rivers, Rome stands, in natural advantages, pre-eminently above any other proud and pretentious city within the limits of this proud and ambitious commonwealth.

## THE HEALTH OF ROME IS UNSURPASSED.

*THE UNUSUALLY LOW DEATH RATE IS A PHENOMENON,  
STANDING WITHOUT A PEER AT 8.40 PER THOUSAND.  
NOT ONE CASE OF CATARRH OR CONSUMPTION EXISTS OR  
EVER ORIGINATED WITHIN HER LIMITS.*

Rome has 12,000 inhabitants, has invested in colleges and school buildings about \$300,000; in church building over \$100,000; in her new hotel \$125,000; in the dummy line, just completed, over \$50,000. Her manufactories employ 800 hands, with other enterprises now going up. Her system of water-works and sewerage is unsurpassed. The city is lighted with gas, and negotiations for an electric light plant are now pending. The highways leading to the city are all well macadamized. The Post-office Department has recently made Rome a free postal delivery office. The annual business of the city is about \$12,000,000, with the trade constantly increasing. The yearly range of temperature at Rome, between the average highest and lowest, is about 84 degrees; the mean temperature is 60.6 degrees. About seven months intervene between the first and the last killing frosts of the year. There is no better society to be found anywhere.

The Rome Land Company (J. W. Rounsaville, President, T. F. Howell, Treasurer, and J. L. Bass, Secretary and Business Manager) will donate ample grounds to, and otherwise aid, any worthy manufacturing enterprise that may locate here.

Send for circulars and pamphlets.



# GADSDEN, ALA.

"The Hub of the Mineral Belt."

— ONLY —

## IRON AND COAL

City in Alabama with River Transportation.

### THE GADSDEN LAND AND IMPROVEMENT CO.

Own large tract of Eligibly Located Residence Property in the Most Desirable Part of the City, and have fine location on river and railroad for

#### MANUFACTURING ESTABLISHMENTS,

And are offering great inducements to manufacturers to locate their plants in this FAVORED LOCALITY. No place in the South has such Wonderful Advantages. Situated in the midst of the RICHEST IRON SECTION in the State, at the foot of Lookout Mountain on the banks of a Navigable River (THE BEAUTIFUL COOSA), surrounded by Forests of the Finest Timber on the Continent, with Fine Building and Fire Clay, and the FINEST BUILDING STONE all around us, with

Uninterrupted Health, and the Purest and Best Water, and Finest Drainage of any City in the State,

Gadsden should become the

→ GREATEST MANUFACTURING CENTER OF ALABAMA. ←

The Alabama Great Southern, Rome & Decatur, Tennessee & Coosa, Anniston & Cincinnati Railroads, with the ever flowing Coosa, navigable the year round, gives us as *FINE TRANSPORTATION FACILITIES* as any other city enjoys.

We now have Railroad Car Works, Furnaces, Foundry and Machine Works, Saw Mills, Sash, Door and Blind Factory, Furniture Factory, Ice Factory, Paint Mills, Grist and Flouring Mills, Cotton Ginnery, Fine System of Water Works, Electric Lights, Telephone Communication over City, and also to neighboring cities, Atlanta and Rome, Ga.

**WE WANT** Rolling Mills, Bridge and Bolt Works, Cotton Factories, Woolen Mills, Furniture Factories, in fact all kinds of Factories, even Coffin Factories, (but we want to ship the Coffins to some of the other booming cities.

Liberal Grants of Land will be made by THE GADSDEN LAND & IMPROVEMENT CO., to any of the above-named industries.

FOR FURTHER PARTICULARS ADDRESS

**M. L. FOSTER, Sec. & Treas.**

## THE GADSDEN LAND & IMPROVEMENT CO.

Post-Office Box 145.

**GADSDEN, ALABAMA.**

# ALABAMA'S GREAT MINERAL WEALTH

SURROUNDS THE

## ★ CITY OF TALLADEGA, ★

Which, according to statistics, is the **MOST HEALTHFUL CITY IN ALABAMA**, and the County Seat of Talladega County.

**THE CITY HAS A POPULATION OF 5,000, AND ITS POPULATION IS RAPIDLY INCREASING.**

**T**ALLADEGA is on the main line of the E. T. V. & G. Railroad, the A. & A. Railroad, and is the present terminus of the T. & C. Railroad. Work is rapidly progressing on the Birmingham & Savannah Air Line Road, between Birmingham and Savannah, and within twelve months this road will be completed via Talladega from Birmingham to Savannah, which will place Talladega on the direct line from Birmingham to deep water on the Atlantic, making

### TALLADEGA ONE OF THE BEST DISTRIBUTING POINTS IN THE STATE.

THE CITY HAS

### AN EXCELLENT SYSTEM OF COMMON GRADED SCHOOLS,

With a scholastic population of 500, and **THE MOST COMMODIOUS AND ATTRACTIVE PUBLIC SCHOOL BUILDING IN THE STATE**. The main building is a three-story brick, slate roof structure, well ventilated, heated by steam; has accommodations and seating capacity for 500 pupils. This school is owned and sustained by the city. All branches of English literature, foreign languages, music, the sciences and art, are taught for a nominal tuition. Among other educational institutions are the following:

SYNODICAL FEMALE INSTITUTE, Property valued at \$50,000.

D. D. & B. INSTITUTE, Property valued at \$150,000.

BLIND INSTITUTE, (in course of construction,) property valued at \$150,000.

FOSTER COLLEGE, property valued at \$150,000.

No other city in Alabama has so many educational institutions and so many public buildings.

### ← TALLADEGA HAS THE MOST COMPLETE SYSTEM OF WATER WORKS IN THE STATE. →

The stand pipe has a capacity of 175,000 gallons, and into this reservoir a supply of fresh, clear, pure water is pumped every day from a large spring located in the heart of the city, which discharges over 2,000,000 gallons per day. The gravity pressure from this system is 90 pounds to the square inch in the business portion of the city. The city has broad streets, well macadamized and shaded with beautiful trees, and is well lighted with a **SUPERIOR QUALITY OF GAS**. Sixty fire plugs and forty gas lamps protect against fire and illuminate the streets.

**A LARGE FURNACE PLANT** gives employment to thousands of hands, and makes a high grade of chilled car-wheel iron from ores, limestone and coal within ten minutes haul by rail, or an hour's haul by wagon. **FOUR LARGE LUMBER MILLS**, with an aggregate daily capacity of 200,000 feet of lumber, cut from the long-leaved yellow Pine of this country. **FOUR BRICK YARDS** are in active operation. A SASH, DOOR and BLIND FACTORY, a FOUNDRY, MACHINE SHOP, FLOUR MILL, COTTON-SEED OIL MILL, and various other industries are in successful operation, and the TALLADEGA ICE CO. cools the thrifty population with pure ice at 50 cents per hundred. Another large furnace plant will be completed within the next ten months. A Spoke and Handle Factory and many other industries are projected, with a view to early completion.

Taxable property has increased 100 per cent. within the past twelve months. The rate of taxation is limited in the city charter to half of one per cent., and the city offers an exemption from taxation to all manufacturing enterprises for a period of ten years. The county of Talladega supplies more crude material, in the way of minerals and timber, than any other county in the State. Almost within the corporate limits of the city are extensive deposits of the highest grades of limonite ores, yielding 50 to 58 per cent. metallic iron, with only a trace of phosphorus, and limestone abounds in the greatest abundance. Coal is within twenty miles by rail.

**THE TALLADEGA LAND & IMPROVEMENT CO.** owns 5,000 lots suitable for residences, business and manufacturing, in and adjacent to the city. Lots are donated to manufacturing enterprises, and liberal inducements offered to actual settlers. **SPRING LAKE PARK** is owned by this company, and it is being made the most attractive resort in the State. The lake covers an area of seven acres, and is a beautiful sheet of clear spring water. Parties seeking a healthy climate, free from malaria and epidemics, and a prosperous city, are invited to visit Talladega. Address for maps, etc.

**The Talladega Land & Improvement Co.,      ÷      Talladega, Ala.**



# SHEFFIELD, Colbert County, Ala.

## The Iron Manufacturing Center of the South.

**B**EING at the head of navigation, and on the south bank of the Tennessee river, Sheffield is the natural outlet for the mineral and manufacturing products of Alabama and neighboring States seeking a water route to points on the Ohio and Mississippi rivers, and to the Gulf of Mexico, as well as the best distributing point over Alabama, Eastern Mississippi and East Tennessee, South Carolina, Georgia and Florida for Northern and Western produce, groceries, provisions, machinery, &c. Four railroads certain, and several others assured. Principal shops of Memphis & Charleston Railroad will be erected here pursuant to written contract. These will employ between four hundred and five hundred mechanics, and consequently, with their families, will make an increase in population of at least two thousand people. Shops of three other railroads are contracted to be located here.

### Five Blast Furnaces Now Under Construction,

Of which one is nearly finished, and the remaining four contracted to completion next spring, have estimated capacity of 700 tons pig iron per day. This is 40 per cent. more than now manufactured at Birmingham, Alabama. Experts do not hesitate to say that iron can be manufactured more cheaply at Sheffield than at Birmingham, and its river transportation facilities will enable Sheffield iron to reach the principal markets at a saving of from

**\$2.00 TO \$2.50 PER TON.**

A first-class daily newspaper is regularly issued. Furniture Factory, Bottling Works, Bakery, Dummy Street Railroad, Electric Lights, Agricultural Implement Works, 3 Steam Brick Works, 2 Hand Brick Works, 2 Steam Wood-Working Establishments, Water Works, 2 Banks, a Savings Bank, and Steam Job Printing Office already in successful operation, and Iron Pipe Works, 15-ton Ice Machine and five-story hotel, with all modern appliances, will be erected. The Cleveland Hotel, Park House and numerous boarding houses furnish accommodations to travelers. Postoffice, Telegraph Office and Express Office already established. Paint Works, Stove Works and Compress now being erected. Other manufacturing establishments under consideration, and will probably be built shortly.

Good Water. Free Public Schools and Churches. Health and Climate Unsurpassed.

*Drainage excellent. Splendid opening for men of push and energy. No "Old Foggy" element here.*

*No better point for profitable investment.*

### \*Sites for Manufacturing Enterprises,\*

**And for Free Public Schools and Churches**

**Donated by Sheffield Land, Iron & Coal Company.**

Population January 1st, 1887, 700; August 21st, 1887, by actual count, 2,583. Increase of population, 300 per cent. in eight months, and only limited by accommodations.

Three years ago the site of Sheffield was cultivated as corn and cotton plantations, and was without a railroad. Numerous two and three-story brick business houses, and one and two-story dwellings have been, and are being erected. The class of buildings will compare favorably with those in cities of 20,000 inhabitants.

**LIMESTONE** of excellent quality for fluxing iron in unlimited quantities at the furnaces' sites. First-class building stone and brick clay abundant. Rich and extensive deposits of brown hematite iron ore within twenty miles, along the lines of two Sheffield railroads. The Sheffield & Birmingham Railroad runs through the heart of the Warrior Coal Fields, which abound in first-class coking, steam, gas and grate coal. Timber is abundant and cheap.

The Memphis & Charleston Railroad and the Sheffield & Birmingham Railroad are now in operation into Sheffield. The Louisville & Nashville Railroad Co. is now extending its Nashville, Florence and Sheffield division, which will be completed to Sheffield before July 1st, 1888. Surveys of three other railroads have been recently completed to Sheffield, which will soon be the best combined river and railroad transportation center in the South.

Every merchant and every established manufacturing enterprise is doing a profitable business. More are needed. For further information address

**ALFRED H. MOSES, Vice-Prest. and Manager**

**Sheffield Land, Iron & Coal Co., - Sheffield, Ala.**

# FLORENCE, ALA.

## County Seat of Lauderdale County.

At Head of Navigation on Tennessee River, and at Foot of Muscle Shoals Canal,  
which will be open Jan. 1st, 1888.

**SITUATED** on a gently undulating Plateau, 200 feet above high-water mark, surrounded by three large creeks of pure free-stone water. It has a Court House, Two Colleges, Four Public Schools, Six Churches, beautiful wide streets, graded and graveled, and shaded with forest trees; Hotels, fine store houses, Masonic, Odd Fellows, K. of H. and L. of H. lodges. A population of 2,500—moral, social and hospitable.

**The Scenery on Every Side is Picturesque and Beautiful.**

SO MUCH SO THAT IT IS CALLED BY VISITORS

**FAIR FLORENCE."**

There is no Place on the Continent more Healthful and Salubrious.

## MANUFACTURES.

Within the last six months numerous manufactures have been located here, among the number:

Five Large Blast Furnaces.	One Saw Mill,	One Cotton Mill,	Two Brick Machines and
One Rolling Mill,	One Flour Mill,	One Cotton Compress and Ice	Three Hand-Brick Yards.
Three Planing Mills,	One Wooden-Ware Factory.	Factory.	

There are VAST BEDS OF IRON ORE within a few miles North and  
IMMENSE COAL FIELDS SOUTH

ACCESSIBLE BY RAILROADS NOW BEING RAPIDLY CONSTRUCTED.

By the 1st of January the Nashville & Florence Railroad will be completed, making three lines of railroad, and the river, thus opening up VAST AREAS OF TIMBER, IRON ORE, COAL, Marble, Limestone, Kaolin, Fire-Clay, and almost every kind of mineral and product.

**THE LANDS IN THE SURROUNDING COUNTRY ARE FERTILE AND PRODUCTIVE.**

*All kinds of Grain, Grasses and Fruits grow to perfection. Springs and Water Courses are numerous, and grazing for Cattle is abundant for eight months of the year.*

Pamphlets and maps furnished on application to

# Florence Land, Mining & Manufacturing Company.



# CONSTRUCTION DEPARTMENT

**WE PUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.**

## ALABAMA.

**Anniston—Building.**—The Anniston Street Railway Co. will shortly commence work on their building at Moore and Eleventh streets, previously reported to be erected for their electrical plant. It will be two stories, 150x142 feet.

**Anniston—Building.**—Walter D. Wellborn, of Vicksburg, Miss., is preparing to erect a three-story brick and stone building on Noble street to cost \$7,500 or \$8,000.

**Anniston—Church.**—John W. Noble has purchased a site to build a church for the Episcopalians, to cost about \$50,000 or \$60,000.

**Anniston—Compress Buildings.**—Frank P. Heifner, of Oxford, has the contract to enlarge the Anniston compress building and build sheds 300 feet long, previously reported.

**Anniston—Tannery.**—B. F. Deford, of Baltimore, Md., states that he will shortly start a tannery at or near Anniston.

**Atalla—Planing Mill.**—E. W. Cox & Co. will add planing machinery to their saw mill.

**Bessemer—Residence.**—T. V. Hoffman is preparing to build a \$10,000 residence.

**Bessemer—Screw Factory.**—The Bessemer Screw Factory reported in this issue as burned, will be rebuilt at once.

**Birmingham—Coal Mining, &c.**—R. S. Milner, J. T. Moncrief, B. J. Dryer, J. M. Searle and F. A. Hall have chartered the Coal City Coal & Coke Co., capital stock \$40,000, to mine coal, manufacture coke, &c.

**Birmingham—Bronze and Brass Works.**—The East Birmingham Smelting Co., capital stock \$10,000, has been organized to manufacture bronze and brass goods at East Birmingham. R. M. Bates is president, and J. M. Anderson, general manager.

**Birmingham—Houses.**—A party has taken out a permit to build 36 houses on G avenue.

**Florence—Manufactories.**—James S. Lawton and James B. Hawthorne, of Atlanta, Ga.; J. Harris Field, Florence, and Allen Tupper, Jr., and Thomas T. Eaton, of Louisville, Ky., have contracted to have established at Florence within one year manufacturing of various kinds to cost \$250,000, and within two years manufacturing to cost \$1,000,000, in exchange for a donation of 1,000 acres of lands in and near Florence, 4,000 acres of mineral and timber lands in Tennessee, and \$150,000 of stock. They are to commence work at once, and will organize as the Florence Railroad & Improvement Co.

**Florence—Ice Factory.**—A \$10,000 stock company has been formed to erect an ice factory, and work has been commenced. John T. Moore, of Havre de Grace, Md., is president; C. C. Chapin, Bellow Falls, Vt., secretary and treasurer, and James Pannell, manager.

**Florence—Steam Laundry.**—The Florence Steam Laundry will add some machinery.

**Florence—Brick-yard.**—Mr. McGuirken will start a brick-yard.

**Florence—Furniture Factory.**—The Bigelow Furniture Factory will be enlarged later in the year.

**Gadsden—Sewerage System.**—The city will issue about \$50,000 of bonds to build a sewerage system. The contract will be let in about 60 days. Plans are being prepared. Address John H. Disque for particulars.

**Hartselle—Broom and Washboard Factory.**—John A. Rogers contemplates starting a broom and washboard factory, and wants to purchase machinery. He will use steam power.

**Huntsville—Tobacco Factory.**—Harrison & Bros., of Smithland, Tenn., have secured a site to build a tobacco factory, and will commence work at once.

**Mobile—Timber Lands.**—The Mobile & Ohio Railroad Co. have recently sold 15,000 acres of timber lands to Northern parties, and are negotiating the sale of 20,000 acres more.

**Mobile—Saw Mill.**—James McArthur is building a new saw mill. The capacity will be 25 M feet daily.

**Montgomery—Lumber Mills.**—W. H. & F. A. Wilson & Co., of Harrison, Mich., previously mentioned as prospecting for a site for a lumber mill, will move their mill from Harrison to some point in Alabama not yet decided on.

**Montgomery—Buildings.**—A three-story building will be built for the Standard Club.

**Sheffield—Cotton Mill.**—It is reported that the Sheffield Coal, Iron & Land Co. have concluded negotiations with parties who will build a cotton mill.

**Tampa—Planing Mill, &c.**—It is reported that Frank Eastman is adding a planing mill and a dry kiln to his saw mill.

**Troy—Water Works.**—J. Walker Bates and associates have received a franchise to build water works. They propose to obtain their supply of water from artesian wells.

**Tuscumbia—Electric Lights.**—The Sheffield Electric Light Co., of Sheffield, have made a proposition to light Tuscumbia.

**Verbeena—Bridge.**—It is reported that the Louisville Bridge Co., of Louisville, Ky., have contracted to build a 300 foot bridge.

**Warrior Station.**—The Warrior Land & Improvement Co. is being organized.

## ARKANSAS.

**Arkansas—Timber Lands.**—Thomas Hume, of Muskegon, Mich., has, it is reported, purchased 10,000 acres of timber lands.

**Batesville—Flour Mill.**—M. McClure will build a roller flour mill.

**Batesville—Canning Factory.**—The name of the \$25,000 stock company reported last week as formed to start a canning factory is the Batesville Canning & Evaporating Co. W. J. Erwin is president.

**Bear—Mining.**—W. C. King, of Grand Island, Neb., has purchased mining properties and will develop.

**Bear—Mining.**—Prof. Hurtz is having machinery erected at the Eureka mine.

**Bear—Mining.**—The Saline County Mining Association, reported last week as formed to develop the Rabbit Foot mine, will put in machinery.

**Camden—Electric Light Plant.**—An electric light plant will, it is said, be erected soon. If true the mayor can probably give information.

**Camden—Street Railroad.**—A street railroad is reported to be built.

**Dardanelle—Oil Lands.**—G. L. Kimball, J. E. Hart and others have formed a company to prospect and locate oil lands.

**Helena—Water Works.**—Water works are projected.

**Hot Springs—Railroad.**—The Hot Springs & Western Railroad Co., capital stock \$150,000, has been chartered to build a railroad about 15 miles long by E. Hogaboom, C. D. Greaves and A. B. Gaines, of Hot Springs, and G. W. Melker and D. S. Taylor, of Chicago, Ill.

**Hot Springs—Gas Works.**—The Hot Springs Gas Co. will rebuild their works, reported in this issue as burned.

**Hot Springs—Hotel.**—Andrew J. Hill will erect a three-story brick hotel.

**Jonesboro—Residence.**—S. H. Warner will build a residence to cost \$10,000.

**Jonesboro—Stave Factory.**—A stave factory is to be built. S. Markle can give information.

**Jonesboro—Residence.**—G. W. Culbertson will build an \$8,000 residence.

**Jonesboro—Buildings.**—Z. T. Matthews will erect buildings to cost \$10,000, and Marcus Berger, buildings to cost \$12,000.

**Little Rock—Engine-house, etc.**—The Little Rock Dummy Railroad Co. are building an engine-house and repair shop.

**Marianna—Courthouse.**—McCabe & Greenham have commenced work on their contract to build the stone courthouse previously reported. It will cost \$29,000.

**Marianna—Hotel.**—A hotel and an opera house are reported to be built.

**Newark—Saw Mill.**—A saw mill is being erected.

**Van Buren—Roundhouse and Machine Shop.**—The St. Louis & San Francisco Railroad Co. (office, St. Louis, Mo.) will build a roundhouse and machine shop.

**Wynne—Saw and Planing Mill.**—D. C. Cole, of Harrisburg, lately mentioned as to erect a saw mill, will start a planing mill also.

## FLORIDA.

**Acton—Saw Mill.**—The Acton Saw Mill Co., reported last week as contemplating adding later in the year machinery for manufacturing staves, &c., are improving their saw mill and adding lath machinery.

**Lake Maitland—Hotel.**—The Park House will be remodeled and enlarged.

**Macclenny—Jail.**—C. B. MacClenny is preparing to build a jail.

**Middleburg—Wood and Shingle Mill.**—Chalker & Brewer will erect a wood and shingle mill.

**Oviedo—Saw and Planing Mill.**—There are prospects of a saw and planing mill being built.

**Pensacola—Logging Railroad.**—J. E. Austin, of Farwell, Mich., will build ten miles of standard gauge logging railroad in Florida.

**St. Augustine—Residence.**—L. Furchgott has prepared plans for a residence to cost \$10,000.

**St. Augustine—Building.**—A building is being erected at the Ponce de Leon Hotel for the electric light plant.

**Tampa—Dummy Railroad.**—A dummy railroad is reported to be built.

**Tampa—Cigar Factory.**—Lozanos, Pendas & Co., previously reported as to build a cigar factory, have contracted for 200 M feet of lumber.

**Tampa—Tub and Barrel Factory.**—Joseph Marzyck proposes to form a company to manufacture tubs, barrels, buckets, etc., and wants to purchase machinery.

**Tampa—Bricks.**—Proposals for furnishing 1,500,000 bricks (with privilege of 2,000,000) will be received until June 1 by Jabez H. Sears.

## GEORGIA.

**Albany—Bucket and Tub Factory.**—The Albany Wooden Ware & Variety Works, capital stock \$10,000, have been chartered to

manufacture buckets, tubs, &c. J. B. Holmes is superintendent and wants to purchase machinery.

**Albany—Car Works.**—There is talk of car works being started.

**Americus—Machine Shops.**—The Americus, Preston & Lumpkin Railroad Co. contemplate enlarging their machine shops, unless private parties establish foundry, machine and wood shops.

**Americus—Cotton Factory.**—It is reported that a company has been formed to build a cotton factory to cost \$100,000 or more.

**Atlanta—Building.**—Brown & King will erect a large building.

**Atlanta—Sewers.**—Proposals for building several sewers will be received until May 21 by the mayor.

**Augusta—Asylum.**—The trustees of Richmond Academy will build an asylum and are looking for a site.

**Augusta—School.**—The board of education are preparing to build a school.

**Augusta—Hotel, &c.**—The Philadelphia-Augusta Finance Co., previously reported as chartered, will build a hotel and casino and are having plans prepared.

**Camilla—Hotel.**—A hotel is reported to be built.

**Carrollton—Courthouse.**—The county commissioner will receive bids for building a new courthouse or repairing and enlarging the present one.

**Carrollton—Gold Mine.**—The Villa Rica Gold Mine Co. will put in some new machinery at their mines near Carrollton.

**Carrollton—Furniture Factory.**—A. D. Turner, J. W. Baskin and Charles Madison will soon start a furniture factory.

**Cartersville—Iron Foundry.**—An iron foundry is reported as contemplated.

**Cartersville—Hardware Factory.**—George Gear, of New Britain, Conn., will, it is stated, start a factory for manufacturing hardware specialties.

**Cedartown—Schools.**—It has been decided by a popular vote to issue bonds to build schools.

**Cedartown—Saw Mill.**—Colbert & Henderson will erect a saw mill and want prices on machinery.

**Cedartown—Saw Mill.**—Colbert & Rabb have purchased machinery to start a saw mill.

**Columbus—Carriage and Wagon Factory.**—James R. England has started a carriage and wagon factory.

**Conyers—Quarry.**—W. H. Pearce, of Greenwood, S. C., is opening a granite quarry.

**Conyers—Quarry.**—A granite quarry will be opened soon by J. A. Farmer, of Covington, Ga.

**Conyers—Barrel Factory.**—It is reported that a barrel factory will be started by T. D. O'Kelly and others.

**Elberton—Buildings.**—A block of buildings will be erected by Thomas M. Swift.

**Gainesville—Shoe Factory.**—Theodore H. Sheely contemplates increasing the capacity of his shoe factory.

**Gainesville—Shoe Factory.**—Sell & Yearwood will increase the capacity of their shoe factory.

**Gainesville—Shoe Factory.**—J. W. Brumby, of Athens, has purchased a site to build a two-story shoe factory, 30x100 feet. He is now purchasing machinery.

**Jasper—Shingle Mill.**—Henry L. Coffey contemplates starting a shingle mill.

**Loganville—Tram Railroad.**—There is talk of building a tram railroad from Loganville to Lawrenceville.

Macon—Cotton Mill.—The Bibb Manufacturing Co. are building an addition to their No. 2 mill.

Macon—Grist Mill.—H. M. Taylor and associates will erect a grist mill at a cost of about \$18,000.

Monroe—Saddle Factory.—A saddle factory is reported as projected.

Newnan—Land.—The Newnan Land Co., capital stock \$25,000, has been organized by R. D. Cole, J. A. Hunter and others.

Oreville—Iron Mines.—J. O. Waddell is opening iron ore mines.

Quitman—Grist Mill.—A grist mill is being erected.

Rome—Electric Light Plant.—The Rome Gas Light Co. will erect an electric light plant and have commenced work. Will use the Thompson-Houston system.

Rome—Dummy Railroad.—The Rome Land Co. contemplate, it is said, extending their dummy railroad.

Rome—Street Railroad.—A company has been formed to build a street railroad to North Rome and will soon begin work on their road.

Rome—Nail and Tack Factory.—The nail and tack factory reported last week will probably be established by T. J. Lattner, of Chattanooga, Tenn., who is negotiating to remove his factory from Chattanooga to Rome.

Rome—Electric Light Plant.—G. A. Hawkins, of Huntsville, Ala., is organizing a stock company to erect an electric light plant.

Rome—Chair and Handle Factory.—It is reported that G. L. Taylor will start a chair and handle factory.

Salt Springs—Buildings.—The Atlanta Lumber Co., of Atlanta, have contracted to furnish 450 M feet of lumber for the Chattanooga buildings previously mentioned.

Savannah—Fertilizer Works.—Hammond, Hull & Co. have asked for permit to build fertilizer works.

Savannah—Hotel.—The Savannah Hotel Co., previously reported, invite until June 20 plans for a brick hotel to be not more than 5 stories high, to contain 200 rooms and to cost not more than \$200,000.

Tallapoosa—Sash, Door and Blind Factory.—T. S. Crapp, Frank Crapp, G. Crapp and George Crapp have incorporated the Poosa Manufacturing Co., capital stock \$40,000, to establish a sash, door and blind factory.

#### KENTUCKY.

Ashland—Brick Works.—A. H. Evans, A. J. Crawford and George W. Crawford have chartered the Crawford Red Brick Co., capital stock \$3,000, to manufacture brick.

Covington—Transportation.—J. A. J. Smith and others have chartered the Cincinnati Pleasure Barge Co., capital stock \$10,000.

Covington—Transportation.—L. T. Anderson and others have chartered the Coney Island Co., capital stock \$50,000, to operate steamboat lines, etc.

Crittenden—Flour Mill.—R. L. Collins & Son are remodeling their flour mill. The capacity will be 50 barrels daily.

Frankfort—Shops.—Proposals for erecting shops at the penitentiary and for converting an old building into water closets and bathrooms will be received until May 28 by Fayette Hewett. C. J. Clarke, Louisville, is architect.

Guthrie—Water Works.—It is reported that the Louisville & Nashville Railroad Co. will build a system of water works.

Hopkinsville—Mining, &c.—The Western Kentucky Coal, Iron, Land & Improvement Co., lately reported as organized with H. C. Gant as president, has an authorized capital stock of \$1,000,000.

Lebanon—Water Works.—The city has decided by a popular vote to issue the

\$60,000 of bonds to build the water works reported last week. The mayor can give information.

Lexington—Residence.—D. J. Falconer is having plans prepared for a residence to cost \$7,500.

Lexington—Buildings.—C. A. Johns will erect a block of three-story buildings, and is having plans prepared.

Lexington—Stand.—The Kentucky Trotting Horse Association will erect a stand to cost \$6,000.

Lexington—Hotel.—The Phoenix Hotel Co. will build a three-story addition to their hotel to cost about \$12,000. Plans have been prepared.

Louisville—Building.—The directors of the Home of the Friendless have purchased a site 120x300 feet, and will erect a three-story building.

Louisville—School.—A brick building to cost \$8,000 will be erected on Kellar street for St. Martin's School.

Louisville—Cotton Mill.—The Louisville Cotton Mill Co. have organized and will soon arrange for the building of their 10,000-spindle mill reported last week. The capital stock will be \$200,000.

Louisville—Cotton Mill.—John Edwards, of Indianapolis, Ind., is working up a company to build a cotton mill.

Louisville—Flour Mill.—The report referred to last week that Gordon & Guyn will improve their flour mill is not confirmed. They will only make necessary repairs.

Louisville.—A company to be known as Smith, Uffelman & Co. has been chartered by William H. Smith and others. The capital stock is \$5,000. The company will engage in manufacturing.

Pineville—Street Railroad.—The Pineville Street Railway Co., previously reported, have organized with William Low as president. They have commenced work.

Scottsville—Stave Factory.—J. H. Hamlen & Son, of Portland, Me., are building a branch stave factory.

Seatonville, (P. O. Maltott).—Proposals for building 5 miles of turnpike road will be received until May 26 by J. W. Wigginton.

Versailles—School.—The school trustees will issue \$7,500 of bonds to erect a school building.

Walton—Tannery.—There is talk of a tannery being started.

Williamsburg—Building.—The trustees of Williamsburg Institute have purchased a site to erect a building to cost about \$7,500.

#### LOUISIANA.

Alexandria—Oil Mill.—E. B. Wheelock and Richard Herrick, of New Orleans, contemplate building a cotton-seed oil mill.

Bayou Sara—Ginnery.—J. Freyhant & Co. will at once rebuild their steam ginnery reported last week as burned.

New Orleans—Mineral Water Factory.—L. C. Army has added machinery to his mineral water factory at 19 Canal street.

New Orleans—Theatre.—A company is being formed to build a large theatre.

New Orleans—Wood Mill.—Hugh George and Albert Sanchez will start a wood mill at 38 Peace street.

New Orleans—Knitting Factory.—Gustav Newman and August Elbert have started a knitting factory at 130 North Peters street. They will be known as the Southern Knitting Works.

New Orleans—Clothing Factory.—B. J. Wolf & Sons will erect a new and larger building on Bienville street for their clothing factory. It will be three stories, 130x90 feet. Joseph R. Larch has the contract.

New Orleans—Electric Light Plant.—The Consolidated Electric Light & Power Co., capital stock \$150,000, has been chartered with Henry M. Byllesby, James S. Humbird,

Daniel A. Tompkins, of Charlotte, N. C.; Edgar A. Farrar and others as directors.

Pattersonville—Saw Mill.—Pharr & Williams will probably rebuild their saw mill reported in this issue as burned.

Shreveport—Depot.—The St. Louis, Arkansas & Texas Railroad Co. (office, St. Louis, Mo.) will build a depot.

#### MARYLAND.

Annapolis—Electric Light Plant.—The Annapolis Electric Light Co., previously reported, have purchased a site for their plant and are negotiating for machinery.

Baltimore—Brewery.—George Bauernschmidt and others have incorporated the Bauernschmidt Brewing Co. to operate the Bauernschmidt brewery. Their capital stock will be \$500,000.

Baltimore—Church.—The Reformed Presbyterian Church are preparing to build a new edifice corner Harford avenue and Chase street.

Baltimore—Showcase Factory, &c.—F. X. Ganter intends to rebuild his large showcase and organ factory, reported in this issue as burned.

Baltimore—Church.—Ground has been broken for a stone church to be erected at Clifton for the Methodists by the contractors, James H. Hopkins & Son. The cost will be about \$7,000.

Baltimore—Buildings.—William T. Phillips will erect 16 three-story brick buildings on Baltimore street and 4 on Fulton avenue; William B. Whiteside, 12 three-story brick buildings on Edmondson avenue; Harker & Allard, 8 three-story brick buildings on Caroline street near Oliver; L. L. Saffel, 24 two-story brick buildings on Ward street, and Robert M. Marsh, 3 three story brick buildings on Calvert street.

Lapidum—Canning Factory.—John M. Macklem is erecting a canning factory.

Mechanicstown—Cigar Factory.—Charles Markley and W. F. Miller have started a cigar factory.

Millington—Woolen Mills.—The Unicorn Mills, which have been idle for a year or more, have been put in operation by R. H. Adams.

Ridgely—Canning Factory.—A canning factory is being erected by Z. T. Austell.

Towson—Quarries, &c.—Lewis A. Retallia, John P. Horsey, Henry E. Seemuller, Charles A. Fisher and Henry A. Warner have incorporated the Ideal Lime & Stone Co., to develop quarries, manufacture lime and barrels, &c. Their capital stock will be \$50,000.

Washington, D. C.—Land.—The Baltimore & Potomac Railroad Co. (office, Baltimore, Md.) have purchased 21 acres of land for \$64,000.

Washington, D. C.—Street Railroad.—The Washington & Georgetown Street Railroad Co. contemplate extending their road about  $\frac{1}{2}$  mile.

Washington, D. C.—Boilers.—The contract to furnish the five boilers for the navy yard, previously mentioned, has been awarded to the Wilcox & Babcock Co., of New York, at \$23,896.

Washington, D. C.—R. E. Pratt will build an addition to his Arno Hotel on Sixteenth street to cost \$30,000. It will be five-stories, 26x103 feet.

Washington, D. C.—Buildings.—R. H. Gaskins will erect a \$5,000 brick dwelling at 3007 N street northwest; Mary B. Smoot, a \$5,000 brick dwelling at 3020 Dumbarton avenue northwest; Walter Brown, a frame dwelling at White Haven to cost \$8,000; A. P. Farden, 2 brick dwellings on Twenty-fifth street to cost \$10,000, and Joseph Kasper, a \$12,000 dwelling at 1217 M street northwest.

#### MISSISSIPPI.

Booneville—Factory.—J. S. Boren has started the manufacture of evaporators.

Canton—Well.—Mr. Carroll has contracted to sink an artesian well.

Edwards—Canning Factory.—A stock company has been formed to start a canning factory.

Friar's Point—Jail.—Proposals for building a jail will be received until June 11 by A. T. Wimberly.

Greenville—Foundry and Machine Shop.—Joseph Wall will build a new foundry and enlarge his machine shop.

Hazlehurst—School.—The school building previously reported will be erected at a cost of \$15,000. The mayor can give information.

Houston—Railroad.—A subscription of \$25,000 has been voted to the Memphis, Oxford & Columbus Railroad, previously reported.

Jackson—Water Works.—The mayor and city council have awarded the contract for building the water works, previously mentioned, to the Jackson Light, Heat & Power Co. They will commence work within 60 days, and are to lay 8 miles of mains.

Jackson—Saw Mills.—Two saw mills are reported to be erected.

Jackson—Depot.—The Illinois Central Railroad Co. (office, Chicago, Ill.) and the Vicksburg & Meridian Railroad Co. (office, Cincinnati, O.) will build a union depot to cost about \$40,000.

Louisville—Courthouse.—S. H. Berg, of Greenville, has the contract to build the courthouse previously reported.

Meridian—Electric Light Plant.—Efforts are being made to organize a company to erect an electric light plant. The Jenay system will probably be used. Coleman & Carley are interested.

Moss Point—Lumber Mill.—The Dantzer Lumber Co. are repairing and improving their mill.

Natchez—Hotel.—\$10,000 have been raised to be donated to any parties who will build a hotel to cost not less than \$50,000. The mayor can probably give information.

Natchez—Church.—A church will be built for the colored Episcopalians.

Tupelo—Broom Factory.—J. M. Cates will start a broom factory.

Tupelo—Hotel.—The Tupelo Hotel Co. will erect a two-story brick hotel to cost about \$10,000.

Vicksburg—Railroad.—The Vicksburg, Canton & Yazoo City Railroad Co. have organized with J. J. Cowan as president; John Cameron, vice-president, and W. G. Paxton as secretary and treasurer. The company propose to build a road from Vicksburg to Canton.

Vicksburg—Hotel.—A company has been chartered to build a hotel.

Water Valley—Cotton Mill.—The Yocora Mills, previously mentioned as thinking of putting in 100 additional looms, will put in the looms and all other machinery for weaving brown domestics. They want to purchase the machinery.

Water Valley—Ice Factory.—A stock company is being formed to erect a small ice factory. Robert Pate can give information.

Yazoo City—Machine Shop.—M. D. Williams will start a machine shop.

#### NORTH CAROLINA.

Aberdeen—Saw Mills, &c.—The Aberdeen & West End Railroad Co. will rebuild their saw mill reported last week as burned, and will add a dry kiln and flooring machinery. They are building a 35 horse-power saw mill along their road. Have  $7\frac{1}{2}$  miles of their road completed, and will build 22 $\frac{1}{2}$  miles more.

Charlotte—Street Railroad.—E. K. P. Osborne contemplates extending his street railroad.

Goldsboro—Agricultural Implement Works.—The Wayne Agricultural Works, lately reported, will build their works at once. Their capital stock paid in is \$15,300. P. C. Humphrey is secretary and treasurer.



Hendersonville—Hotel.—Frank Cox, of Asheville, is thinking of building the hotel reported last week.

Lincolnton—Hotel.—The Lithia Springs Co. contemplate building a hotel.

New Bern—Saw Mill.—S. Radcliff & Co. have added some new machinery to their saw mill.

Raleigh—Gin.—W. C. Holman will rebuild at once his gin reported in this issue as burned.

Salisbury—Gas Works.—The Salisbury Gas Co. will overhaul their works and lay additional mains.

Sandy Bottom—Saw and Shingle Mill.—Wetzell & Co., of Grand Rapids, Mich., have built a saw and shingle mill with a daily capacity of 25 M feet of lumber and 40 M shingles.

Troy—Gold Mine.—English parties have organized a company to develop the Reynolds gold mine, and will, it is said, put in some new machinery. Mr. Hambly is engineer.

Wilmington—Church.—The Second Presbyterian Church contemplates erecting a new edifice. Plans are wanted.

#### SOUTH CAROLINA.

Black's Station—Cotton Mill.—The Cherokee Falls Manufacturing Co. will increase their capital stock to \$125,000 and put 2,000 additional spindles in their cotton mill.

Clifton—Cotton Mill.—The Clifton Manufacturing Co., previously reported as building an additional cotton mill, will increase their capital stock \$200,000.

Columbia—Church.—The contract for erecting a new spire and making repairs at the First Presbyterian Church has been let to Clark Waring at \$6,500. The spire will be 165 feet high.

Darlington—Saw Mill.—W. E. Dargan has rebuilt his saw mill reported last week as burned.

Edgefield—Church.—The Baptists will build a brick church to cost \$5,000 or more.

Fairfield County—Paper Mill.—It is rumored that the Richmond Paper Manufacturing Co., of Richmond, Va., are thinking of building a paper mill.

Gaffney City—Factory.—A. M. Gilmer will enlarge his facilities for manufacturing turpentine hacks.

Graniteville—Cotton Factory.—The Graniteville Manufacturing Co. are thinking of rearranging the machinery in their factory, make improvements, &c.

Greenville—School.—The contract to erect the school building previously mentioned has been awarded to W. T. Shumate at \$8,750. He will soon commence work.

Newberry—Publishing.—The Lutheran Visitor Co., capital stock \$1,500, has been chartered by William P. Houseal and E. H. Hull.

Rock Hill.—The Piedmont Belt Land & Loan Co., capital stock \$25,000, has been incorporated by W. Joseph Roddy and W. Blackburn Wilson, Jr.

Spartanburg—Sash and Blind Factory.—C. C. Davis is adding machinery to his sash and door factory.

Winnsboro—Gin Factory.—The Elliott Gin Manufacturing Co., lately reported as formed to manufacture gins, have ordered machinery for their works.

#### TENNESSEE.

Alexandria—Railroad.—The Nashville & Knoxville Railroad Co. reported last week as to build a 2½-mile branch to Alexandria, will begin work at once.

Athens—Planing Mill.—It is reported that Miller & Co. will build a planing mill.

Austin's Mills.—Flour Mill.—E. M. Speers will put roller machinery in his flour mill with a daily capacity of 50 barrels.

Bristol—Cigar Factory.—Mr. Cullom, lately reported as prospecting, will start the manufacture of cigars.

Bristol—Planing Mill.—It is stated that Buffum & Co. have decided to rebuild their planing mill previously mentioned as burned.

Bristol—Public Improvements, &c.—The city has decided to spend \$25,000 in improving the streets and sidewalks. The mayor can give particulars.

Chattanooga—Bridge.—The Chattanooga Bridge Co. contemplate building a bridge across the Tennessee river at once, and wants bids for same.

Chattanooga—Residences.—John P. Richardson will build a residence to cost \$40,000, and E. Watkins, a \$20,000 residence.

Cumberland Gap—Mining, &c.—The Cumberland Gap Mining & Manufacturing Co. has been chartered by A. A. Arthur, George Andrews, Jacob M. Thornburgh, Charles Seymour and George C. King.

Dunlap—Saw Mill.—W. M. Scruggs has purchased machinery for a 20 horse-power saw mill.

Greenville—Planing Mill.—Lamons Sons & Co. will rebuild their planing mill, reported last week as burned. Want to purchase some machinery.

Knoxville—Electric Light Plant.—H. H. Corson, representing the Thompson-Houston Electric Light Co., is negotiating to put in a plant at West Knoxville, previously mentioned.

Knoxville—Bridge, &c.—Reps Jones & Co. have contract to build a bridge across the Clinch river, grade 2 miles of railroad and build a tunnel through the Clinch mountain for the Powell's Valley Railroad.

Memphis—Coffee Roasting and Spice Mill.—The Dean-Lilly Spice & Coffee Co. will increase their capital stock from \$10,000 to \$20,000, to increase the capacity of their mill.

Murfreesboro—Church.—H. C. Jackson, of Chattanooga, previously mentioned as receiving the contract to build a church for the Methodists, have commenced work. The cost will be probably \$25,000.

Nashville—Clothing Factory.—The Home Manufacturing & Reformatory School of Trade, lately mentioned as starting a broom factory, have also started a clothing manufactory.

Nashville—Flour Mill.—E. T. Noel, previously mentioned as refitting his flour mill with new machinery at a cost of about \$175,000, has with others incorporated as the American Mill Co. Their capital stock will be \$200,000.

Nashville—Sewers.—John Quigley has been awarded the contract to build two sewers to cost \$11,138 30.

Nashville—Dry Kilns.—The Cumberland Lumber Co. have lately erected two dry kilns.

Nashville—Warehouse.—The Phillips-Buttort Manufacturing Co. will build a brick addition to their warehouse to cost \$9,000.

Nashville—Hotel.—W. M. Duncan is preparing to build his hotel, previously reported.

Oregon—Cotton Factory.—H. Warren & Sons will add spinning machinery to their cotton factory.

Owen—Flour Mill.—The capacity of the flour mill reported last week as to be built by the Lathrop Manufacturing Co. will be 100 barrels daily. They will commence work in about 60 days.

Philadelphia—Flour Mill.—William Cannon is thinking of putting roller machinery in his flour mill this fall.

Pulaski—Saw and Grist Mill.—Logan Birdsong contemplates adding a saw and grist mill to his gin.

Pulaski—Electric Light Plant.—T. Y. Ryan, representing the Silvey Electric Co., of Lima, O., is making efforts to organize a company to erect a plant.

Shellsford—Saw and Planing Mill.—Mead & De Bard will rebuild their saw and planing mill.

Waverly—Saw Mill.—Thomas & Brown will add gang edgers to their saw mill.

Winchester—Foundry and Machine Shop, &c.—There are prospects of an iron foundry and machine shop and a lock and novelty factory being started. Dr. Drake can give information.

Winchester—Wood-working Factory.—Hutchins & Benjamin do not contemplate moving their factory from Winchester, as stated last week, but contemplate erecting another and larger factory at some other city.

#### TEXAS.

Bonham—Corn Meal Mill.—M. S. Fisher has added to his flour mill a corn meal mill.

Dallas—School.—M. K. Wright & Co. have received the contract to erect a school building.

Dallas—Electric Light Plant.—The Queen City Electric Light Co. have asked for permit to erect a plant.

Dallas—Railroad.—The Dallas & New Orleans Railroad Co. have issued \$4,500,000 of bonds to be used in building their road.

Denton—Canning Factory.—A \$10,000 stock company has been formed to start a canning factory.

Ennis—Flour Mill.—The Farmers' Alliance contemplate building a flour mill and a bonus has been raised to secure its location at Ennis. J. Blakey can give information if anything is done.

Ennis—Water Works.—Water works are being agitated.

Fort Worth—Hall.—The Odd Fellows contemplate building a hall.

Galveston—Street Railroad.—The Galveston Street Railway Co. will shortly make the extensions and improvements to their lines previously mentioned.

Galveston—Stand pipe, &c.—Mr. Stevens has commenced work on his contract for building the pumping station and placing the foundations for the stand-pipes and storage tanks for the new water works, previously reported.

Galveston—Building.—The contract for erecting and completing the government building has been let to Charles Sundberg & Co., of Chicago, Ill., at \$118,500.

Houston—Railroad.—The Houston, East & West Texas Railroad Co. will purchase new steel rails for 15 miles of track.

Jasper—Wood-working Factory.—The Jasper Manufacturing Co. are building a wood-working factory.

Jefferson—Courthouse, &c.—The contract for erecting the courthouse and postoffice building, previously mentioned, has been received by G. W. Coster and G. Thompson, of Baltimore, Md. They will commence work at once.

Ladonia—Cotton Compress.—A \$30,000 stock company has been formed to erect the cotton compress reported last week.

Leonard—Flour Mill.—It is stated that Samuel Cund and C. Albright, of Parsons, Kansas, previously mentioned as prospecting with a view to building a roller flour mill, have decided to erect the mill.

Marble Falls—Tannery and Shoe Factory.—The Marble Falls Tannery & Manufacturing Co., reported last week as organized and to add a shoe factory to their tannery, have a capital stock of \$100,000. F. H. Holloway is president.

Mineral Wells—Flour Mill and Gins.—A flour mill and several gins are reported to be built.

Mount Pleasant—Cotton Compress.—A cotton compress is to be erected. Files, Taylor & Files, of Hillsboro, can give particulars.

Plano—Flour Mill.—John A. Moreman, lately reported as to build a flour mill, will not build this year.

Vernon—Flour Mill.—It is reported that a 150-barrel flour mill will be built.

Weatherford—Water Works.—James Scanlan & Co., of Dallas, has contracted to build water works.

#### VIRGINIA.

Charlottesville—Cotton Factory.—Parties have been corresponding with the Board of Improvement in regard to building a cotton factory.

Charlottesville—Wagon Factory.—G. R. Cunningham, of Covington, O., expects to move his wagon works to Charlottesville.

Clintwood—Saw Mills.—John P. Chase & Co., Collins & Co. and Rasneck & Co. have erected saw mills.

Danville—Courthouse.—Proposals for the interior finish, plastering, joiner work, etc., of the courthouse will be received until June 15 by T. R. McDearman.

Hallwood—Saw and Planing Mill.—G. B. Jones & Co., whose saw and planing mill, grist mill and box factory was reported last week as burned, have commenced rebuilding.

Harrisonburg—Electric Light Plant.—Mr. Pace, of Washington, D. C., has asked for permit to erect an electric light plant.

Keysville—Saw Mill.—A saw mill will be built.

Luray—Tannery.—Deford & Co., of Baltimore, Md., will increase the capacity of their tannery 33½ per cent.

Lynchburg—Depot.—The Norfolk & Western Railroad Co. (office, Roanoke) will build a new depot as soon as the roundhouses at Crewe and Bluefield are completed.

Manchester—Jail.—The city council contemplate building a jail to cost about \$7,000.

Martinsville—Saw Mill.—H. C. Lester has rebuilt his steam saw mill lately burned.

Massie's Mills—Planing Mill.—A planing mill is being built.

Norfolk—Buildings.—The People's Building Co. has been chartered to build houses, etc. The capital stock is to be not less than \$10,000 nor more than \$20,000.

Portsmouth—Railroad.—The Portsmouth, South Mills & Carolina Railroad Co., previously reported, has been organized with John H. Hume as president, and W. H. Stewart, secretary.

Pulaski City—Foundry.—An iron foundry is contemplated and will probably be built.

Reed Island—Iron Mining.—D. F. Houston, of Roanoke, reported last week as opening the Crawford mineral property, expects to be shipping ore by August 1.

Richmond—Tobacco Factory.—The Allen & Ginter Co., reported last week, are enlarging their tobacco factory.

Riverton—Iron Bridge.—The Shenandoah Valley Railroad Co. (office, Roanoke, Va.) will build a new bridge over the Shenandoah river, and are receiving bids. It is to be a four-span, 160-foot, through truss bridge.

Roanoke—Land.—The West End Land Improvement Co., capital stock \$40,000, has been chartered by P. L. Terry, S. W. Jamison and others.

Rocky Mount—Iron Ore Lands.—G. W. Tweddle has purchased iron ore lands for Joseph P. Ellis, of Philadelphia, Pa. They will be developed.

Rustburg—Railroad.—Ellison & Co. have contract to build 5 miles of the Lynchburg & Durham Railroad.

South Boston—Railroad.—Codwise & Allen have contracted to build part of the Lynchburg & Durham Railroad near South Boston.

Speedwell—Iron Furnace.—The Speedwell Iron Mining & Manufacturing Co. are reported as considering the erection of a 60-ton iron furnace.

#### WEST VIRGINIA.

Buffalo—Paint Mill.—R. T. Havey has nearly completed his paint mill previously reported.

Charleston—Nut and Bolt Works, &c.—Messrs. Atkins and Decker are making efforts to sell a certain number of lots, which, if sold, will secure the removal of the works of the Chapin Nut & Bolt Co. from Cleveland, O., to Charleston, and the Western Iron Works from New York to Charleston.

Charleston—Electric Light Plant.—The Charleston Electric Light Co. are putting in some new machinery.

Freeman's Landing (P. O., Anderson).—Fire-brick Works.—Thomas Freeman and Mr. Stewart, of Pennsylvania, will establish fire-brick works. Their main building will be three-stories, 60x105 feet.

Huntington—Marble Works.—M. N. Hambleton will move his marble works from Catlettsburg, Ky., to Huntington.

Huttonsville—Flour Mill.—Moses H. Crouch will build a (steam power) flour mill.

Pruntytown—Flour Mill.—W. J. Curry has purchased the Kemble flour mill and will overhaul and improve it.

Roanoke—Flour Mill.—Olive Alkire will rebuild his flour mill, lately mentioned as burned.

Wheeling—Water Main.—The water works committee contemplate laying a main on Market street to cost about \$8,000.

William F. Thompson, of Ithaca, Mich., wants to learn of a place in the South where white ash is abundant; also red cedar.

#### BURNED.

Baltimore, Md.—The showcase and organ factory of F. X. Ganter; loss on machinery, stock and building about \$75,000. Will be rebuilt.

Barnet, Ga.—The saw mill of O. F. McRee.

Bessemer, Ala.—The Bessemer Screw Factory, owned by Mr. Major; loss from \$10,000 to \$20,000. Will be rebuilt at once.

Figsboro, Va.—The saw mill of H. C. Lester.

Hot Springs, Ark.—The Excelsior Laundry.

Hot Springs, Ark.—The works of the Hot Springs Gas Co.; loss \$15,000. Will be rebuilt.

Jerusalem, Va.—The saw mill of H. C. Moore wrecked by a boiler explosion.

Lexington, N. C.—The Hunt Tobacco Factory; loss about \$7,500.

Manning's Knob, W. Va.—The steam saw mill of Thompson & Cook.

Nappesburg, Va.—The saw mill of F. G. Smith damaged by a boiler explosion.

Pattersonville, La.—The saw mill of Pharr & Williams.

Polk County, Ga.—The saw mill of Andrew Bobo; loss \$1,500.

Raleigh, N. C.—The cotton gin and wool carding machinery of W. C. Holman. Will be rebuilt.

Shepherdstown, W. Va.—The grist and saw mill of L. W. Poffenberger; loss \$6,000.

Trap Hill, N. C.—The grist mills of Mrs. Ellen Smoot.

#### Surveying for Extension of Railroad.

Yosemite, Ky., May 11, 1888.

*Editor Manufacturers' Record:*

Surveys in progress for extension of Cincinnati & Green River Railroad, from present terminus, Yosemite, a distance of 25 or 30 miles. Preliminaries to be run on two routes.

B. HARPER, C. E.

#### To Erect Cotton Compress.

PLANO, TEXAS, May 9, 1888.

*Editor Manufacturers' Record:*

We are going to build a compress to be completed by the 15th of August.

J. H. BOWMAN.

### MACHINERY WANTED.

If you desire to purchase machinery of any kind consult our advertising columns, and if you cannot find just what you wish, send us particulars as to the kind of machinery needed. We will make your wants known free of cost, and in this way secure the attention of machinery manufacturers throughout the country. You will thus get all information desired as to prices, etc.

Bridge.—The Chattanooga Bridge Co., Chattanooga, Tenn., will receive bids for building a bridge across the Tennessee river.

Bridge.—The Shenandoah Valley Railroad Co., Roanoke, Va., are receiving bids for building a new bridge over the Shenandoah river at Riverton.

Broom Machinery, &c.—John A. Rogers, Hartselle, Ala., wants to purchase machinery for manufacturing brooms and washboards. He desires to use steam power.

Bucket and Tub Machinery.—J. B. Holmes, Albany, Ga., wants to purchase machinery for manufacturing buckets, tubs, &c.

Canning machinery is wanted by Mrs. L. P. Miller, Glynnville S. C.

Cans and Labels.—Andrew Bates, Griffin, Ga., wants to purchase cans and labels for his canning factory.

Chair Machinery.—E. E. Stone, Paris, Texas, wants prices of machinery for manufacturing split bottom chairs.

Cotton Machinery.—The Eufaula Cotton Mills, Eufaula, Ala., will want an entire outfit of machinery for their mills.

Cotton-seed Oil Mill.—A. L. Porter, Opera-house Block, Chicago, Ill., wants a complete working plant, or a site where an abundance of seed may be secured, and proposals for erecting mill.

Electric Lights.—The Jackson Light, Heat & Water Co., Jackson, Miss., are receiving bids for lighting the city with electric lights.

Elevator, &c.—Franklin W. Smith, St. Augustine, Fla., will build a hotel and will receive bids for small elevator to run by water power, electric bells, galvanized iron bays, &c.

Elevator.—Proposals for furnishing and erecting a freight elevator in the Treasury Department building will be received until May 26 by Will A. Freret, supervising architect, Washington, D. C.

Gin.—John Dallow, Welaka, Fla., wants to purchase a gin for ginning moss.

Locomotive.—The Arcadia Phosphate Co., Arcadia, Fla., want to purchase a new or second-hand locomotive for tram road of three foot gauge. Want one to weigh about 3, 4 or 5 tons.

Looms, &c.—The Yocona Mills, Water Valley, Miss., want to purchase 100 looms and other machinery for weaving brown domestics.

Planer.—Henderson & Wiley, Troy, Ala., want to purchase a second-hand pony planer in good order. Parties who have one for sale will state lowest cash price, also freight rate to Troy.

Planing Mill Machinery.—Lamons Sons & Co., Greenville, Tenn., want to purchase some machinery to rebuild their planing mill burned lately.

Saw Mill Machinery.—Colbert & Henderson, Cedartown, Ga., want prices on saw mill machinery.

Shafting, Pulleys, &c.—Charles Dudley, Jackson, Miss., wants prices on shafting, pulleys, gins, presses, engines, boilers and steam pumps.

Stone.—Proposals for furnishing 9,500 cubic feet, more or less, of cut granite for the front walls of the Congressional Library building at Washington, D. C., will be received until June 2 by William F. Vilas.

Tub and Barrel Machinery.—Joseph Marzyck, Box 241, Tampa, Fla., wants to purchase machinery for manufacturing tubs, barrels, buckets &c.

#### Remodeling Flour Mill.

CRITTENDEN, KY., May 5, 1888.

*Editor Manufacturers' Record:*

We are changing our mill from the old process to the new. It is to be a 50 barrel mill, to be completed about the 1st of June. It will be operated under the name of R. L. Collins & Son. R. L. COLLINS.

#### Contracted to Build Bridge.

TOLEDO, O., May 11, 1888.

*Editor Manufacturers' Record:*

We were awarded contract at Fort Worth, Texas, of an iron viaduct. Price \$24,500. SMITH BRIDGE CO.

#### Contemplate Building Another Wood-working Factory.

WINCHESTER, TENN., MAY 12, 1888.

*Editor Manufacturers' Record:*

We never contemplated removing our wood working factory from here. We do contemplate establishing a manufactory very much larger in Chattanooga or some Southern city at an early day.

JNO. M. HUTCHINS.

#### Will Move Lumber Mill to Alabama.

PENACOLA, FLA., May 10, 1888.

*Editor Manufacturers' Record:*

W. H. & F. A. Wilson & Co., of Harrison, Mich., will in the near future move their mill to Alabama. The location is not decided on yet. J. E. Austin, of Farwell, Mich., will build 8 miles of logging railroad (standard gauge) with their plant in Florida.

W. J. VAN KIRK.

#### To Build Gas Works.

OCALA, FLA., May 12, 1888.

*Editor Manufacturers' Record:*

The Ocala Gaslight & Cooking Co. was organized here on April 28th with a capital stock of \$20,000 (paid-up and non-assessable) for the purpose of manufacturing gas by the Bennett process for illuminating and cooking purposes. Fred H. Brown is president, and C. B. Capers, secretary and treasurer.

C. B. CAPERS, Sec.

NORTH DANVILLE, VA., May 12, 1888.

*Editor Manufacturers' Record:*

The North Danville Herdic & Street Car Co. has been formed to build street railroad, &c.

J. J. FLIPPIN.

CINCINNATI, OHIO, May 10, 1888.

*Editor Manufacturers' Record:*

This company proposes to build about 2½ miles of narrow gauge railway, extending from their present road at Beaver, Ky., to new fields we are developing. Bids are in and the contract will be awarded next Monday. We expect to have it completed within 90 days.

BEAVER CREEK & CUMBERLAND RIVER COAL CO.

TALLAHASSEE, FLA., May 7, 1888.

*Editor Manufacturers' Record:*

We have added to our tools one double head wheel lathe, one car wheel borer, one double head axle lathe, one 36-inch engine lathe, one 18-inch shaper, one Acme bolt cutter, all from the Niles Tool Works, Hamilton, Ohio, and some other improvements in building, &c. We have also put up one large crane to load wheels and other heavy articles.

FLORIDA RAILROAD & NAV. CO.

W. H. ANDERSON, Supt. Shops.

#### Contemplate Enlarging Machine Shops.

AMERICUS, GA., May 10, 1888.

*Editor Manufacturers' Record:*

The Americus, Preston & Lumpkin Railway Co. has shops in which it has been doing nearly all the repairs to its locomotives, cars, etc. The recent extension of our line about 78 miles and the heavy increase of business which has resulted therefrom, necessitating considerable increase of our rolling stock and increasing heavily our work, will necessitate the early enlargement of our shops and increase of tools to properly do our work. This we purpose to do, unless reliable private parties, with the inducement of doing all the work of our line and the bright prospect of a heavy private patronage, would undertake to establish here suitable foundry, machine and wood shops to do all of our work, and engage to execute it promptly at equitable prices. I think the enterprise would prove a paying investment, and hope that some of your many readers may be induced to look carefully into the matter at once and be persuaded by the encouraging outlook of success to engage in this work at once.

AMERICUS, PRESTON & LUMPKIN R. R. CO., J. N. BASS, Gen. Supt.

#### To Build Saw and Planing Mill.

HARRISBURG, ARK., May 5, 1888.

*Editor Manufacturers' Record:*

I am now preparing to erect a saw mill at Wynne, Ark., with machinery for cutting wagon stock, such as sawed felloes, gears, plow beams, &c.; also will build planing mill in connection. Expect to be in operation by middle of June.

D. C. COLLE.

#### Erecting Saw Mill.

STILLMORE, GA., May 5, 1888.

*Editor Manufacturers' Record:*

We are now erecting a saw mill with all the latest improvements—engine 18x36 inches, 5 cylinder boilers 36 feet by 80 inches, slab elevator, live rolls, and shingle, stave and lath machines. Will put in at a later date planing mill, and perhaps, small line of sash, door and blind machinery.

BRINSON & BRINSON.

GREENSBORO, N. C., May 8, 1888.

*Editor Manufacturers' Record:*

I will start a canning factory this season. Capacity will be from 100 to 150 cases per day.

J. H. GILMER.

RIDGELY, MD., May 7, 1888.

*Editor Manufacturers' Record:*

I am erecting a canning factory near this place, and expect to pack 10,000 cases during the coming season.

Z. T. AUSTELL.

TAMPA, FLA., May 8, 1888.

*Editor Manufacturers' Record:*

I propose organizing a company for the manufacture of tubs, barrels, wooden pails, &c., and desire to purchase the necessary machinery.

JOS. MARZYCK.

ATLANTA, GA., May 12, 1888.

*Editor Manufacturers' Record:*

The Atlanta Gold Mining Co., capital stock \$500,000, has been organized with E. P. Howell as president; W. J. Tanner, vice president; W. A. Griffin, secretary and R. M. Farrar, treasurer. Mine is in Lumpkin county, Ga. W. A. GRIFFIN.

TYLER, TEXAS, May 6, 1888.

*Editor Manufacturers' Record:*

We have changed our brick works from a hand to a steam yard, and put in a 60 horse-power Atlas engine and boiler, a Fletcher & Thomas spiral pug mill, one Quaker brick machine and one Chief brick machine. Capacity 60,000 brick per day.

TYLER BRICK WORKS.



**To Build Cotton-seed Oil Mill.**

AUBURN, N. C., May 9, 1888.

*Editor Manufacturers' Record:*

The Auburn Farmers' Alliance will build a cotton seed oil mill. We have not considered the dimensions yet.

M. SMITH, Sec'y.

**To Manufacture Buckets and Tubs.**

ALBANY, GA., May 7, 1888.

*Editor Manufacturers' Record:*

The Albany Wooden Ware & Variety Works have been formed, and applied for a charter to manufacture pails, tubs, &c., with \$10,000 capital, with privilege to increase to \$100,000. Hope to be ready for the fall trade. Will use cedar, cypress and white oak. Would like to hear from any parties furnishing machinery and supplies of any kind.

J. B. HOLMES, Supt.

**Will Rebuild Saw Mill.**

ABERDEEN, N. C., May 9, 1888

*Editor Manufacturers' Record:*

Our mill was burned on the 1st inst. We will rebuild at once, and add thereto a patent dry kiln and flooring machines for the purpose of putting finished lumber on the Northern markets. Are also constructing new 35 horse-power portable saw mill on the line of the A. & W. E. Railroad. Will have in operation in a week.

PAGE LUMBER CO.

R. N. PAGE, Sec'y and Treas.

**Saw and Shingle Mill.**

KNOXVILLE, TENN., May 12, 1888.

*Editor Manufacturers' Record:*

Wetzel & Co., of Grand Rapids, Mich., have just completed a saw and shingle mill—daily capacity of saw mill 25,000, shingle mill 40,000 shingles—and are now operating the same from a large tract of choice white pine and poplar timber, situated at Sandy Bottom, Madison county, N. C., 8 miles from Warm Springs. They can be addressed at Grand Rapids, Mich.

H. B. WETZEL.

**Three Saw Mills.**

CLINTWOOD, VA., May 7, 1888.

*Editor Manufacturers' Record:*

Three saw mills have been put up in this county in last few days by John P. Chase & Co., James Rosneck & Co. and Thomas Collins & Co. J. G. HYLTON.

HOPKINSVILLE, KY., May 11, 1888.

*Editor Manufacturers' Record:*

We are building a brick warehouse, 165 feet long by 42 feet wide two stories and a basement, in connection with our mill and elevator. The Hamilton Corliss engine will be placed in our engine-room to furnish necessary power for our plant.

CRESCENT MILLING CO.

ROCKY MOUNT, VA., May 14, 1888.

*Editor Manufacturers' Record:*

I have purchased for S. D. Ellis, of Philadelphia, the Young magnetic iron property on the route of the Roanoke & Southern Railway. The property is one of the best magnetic iron ore properties in this section. A large amount of ore is out, which will be shipped and the mines extensively worked as soon as the railway is finished. GEO. W. TWEEDDALE, M. E.

ST. AUGUSTINE, FLA., May 11, 1888.

*Editor Manufacturers' Record:*

Will probably begin about June 1 to erect an apartment hotel, 95x75 feet, four stories high; exterior walls concrete. Am open for bids on galvanized iron bays, etc.; also small elevator to run by water, and inexpensive means of heating one small parlor and all halls; also electrical bells.

FRANKLIN W. SMITH.

**The Big Car Works Plant at Anniston.**

A few months ago the Anniston car wheel and car axle works and forge and rolling mill, all owned by Messrs. Noble Bros. & Co., and the car works of the Alabama Manufacturing Co., were sold to the United States Rolling Stock Co., of New York, a \$4,000,000 company, upon condition that these plants should be made the nucleus of gigantic car works to cost \$1,000,000 and to employ 1,000 mechanics. Since this great deal was made the Rolling Stock Co. have been getting their plans into shape as rapidly as possible for the erection of the immense buildings that are to be added to those already here. There are few who realize the magnitude of this gigantic plant when fully completed, or who appreciate the work already done towards carrying out to the full extent all that has been promised.

These works are now employing about 400 hands, and are pushed to their utmost capacity to fill the orders in hand for wheels and cars, although the production has been almost doubled, even in the short time since the Rolling Stock Co. took charge.

A large foundry, 130x84 feet, is now under construction adjoining the machine shop, which is being increased about one-third in size. An additional foundry, 160x80 feet, will soon be built a short distance from the one now under construction. The axle forge is being more than doubled in capacity, and three great steam hammers have been purchased, to be added to the two now in operation. In all of the departments now in operation large amounts of new machinery are being put in, but it is in the new buildings that the greatest interest centers.

These new buildings will be of gigantic size and their immensity almost surpasses comprehension. The plans have all been prepared and the material for their construction contracted for.

The most extensive building will be the wood-working shop. This will be 1,000 feet long and 105 feet wide. Some idea of the vastness of this one building may be gained from the fact that its length will be just twice as great as that of the immense stockhouse under construction at the new furnaces. In this immense building, which has been designed with the highest skill as a perfect car shop, the timber will enter at one end, and, passing on from one stage to another in a straight line, is turned out at the other end in the shape of a complete car. From 20 to 25 finished cars, from the wheels and axles to the wood work, will be turned out every day. The machinery for this building has been contracted for, Messrs. Fay & Co., of Cincinnati, having received the order. This is one of the largest, if not the largest, order ever given in this country for wood-working machinery. It includes 40 immense machines, each of which will have a great number of auxiliary tools, one group of 5 machines, for instance, requiring 684 tools. This machinery is now under construction. The motive power will be two twin engines of 250 horse-power each, which have been contracted for.

Adjoining this building will be the machine and blacksmith shop, nearly as large, or 825 feet long by 105 feet wide. This will be supplied with the latest and most improved machines, made by Messrs. Bement, Miles & Co., of Philadelphia, the noted builders of iron-working tools. In this shop there will be two Corliss engines, one of 125 horse-power and one of 100 horse-power. In this and also in the wood-working shop will be five car tracks extending through the entire building, supplied with turning tables and all other conveniences for handling work to the best advantage.

Nearby will be the car paint shop, a

building 325 feet long by 96 feet wide, and the car repairing shop, 500 feet long and 96 feet wide.

The new rolling mill which will be constructed in connection with these works will have a capacity of 40 tons of iron a day.

Orders have already been given for over \$100,000 worth of machinery for the enlargements and extensions of these great works, and contracts have been made for the material for the erection of the buildings. As soon as the exact locations for these have been definitely decided upon the work of construction will be pushed forward, and by the time the buildings are completed the machinery will be all finished and ready to be put in position.

In carrying out the plans for the establishment of such a mammoth enterprise as this, which, it should be remembered, will be the most extensive car works in the country, there are necessarily many unavoidable delays at the beginning, but the work already accomplished is surprisingly great, and the details for the buildings and machinery, requiring so much study and time, have been arranged, so that now everything is rapidly getting into shape for the final work of erecting these great buildings.

About 100 tons of pig iron will be consumed daily in these works, while it is estimated that the annual consumption of timber for the 6,000 or more cars that will be turned out will be fully 10,000,000 feet.

Of the high grade of the wheels and axles turned out by these works it is hardly necessary to speak, for their reputation is national. The simple fact that these axles will bend double when cold without showing a crack or flaw proves the quality of the iron and the character of the work done.

These works admirably illustrate the diversity of Anniston's industrial growth. The iron ore from the hills encircling the town is turned into pig iron within the city limits, and from the furnaces goes direct to the car-wheel and axle works, rolling mill and foundry. Here it meets the timber brought from the surrounding country and fashioned into cars, and from these works the completed cars, made of Anniston material from top to bottom, will pass out at the rate of 20 to 25 a day.—Hot Blast, Anniston, Ala.

**To Build Flour Mill.**

OWEN, TENN., May 8, 1888.

*Editor Manufacturers' Record:*

We expect to erect a 100-barrel roller flour mill here in connection with our new saw and planing mill. Work will be begun in about 60 days.

THE LATHROP MFG. CO.

**Building Flour Mill.**

CEDAR HILL, TENN., May 8, 1888.

*Editor Manufacturers' Record:*

We will construct a roller mill at this place. Have the foundation built, and will be ready for grinding by the time the new crop is harvested.

CEDAR HILL MILL CO.

CARROLLTON, GA., May 13, 1888.

*Editor Manufacturers' Record:*

The commissioners for this (Carroll) county are advertising for contractors to either build a new brick courthouse or build an addition to the old one and otherwise repair it. They have not decided which will be done.

New machinery will soon be engaged in the Villa Rica gold mines. This property has been worked with profit for the past 50 years, and the outcome is better to-day than ever. The mine situated a few miles from this place is owned by the Villa Rica Gold Mine Co.

A. P. Turner, J. W. Baikin and Charles Madison, of this city, will soon start a furniture factory here. A. B. FITTS.

**Southern Immigration.**

In the efforts that are being made to secure immigration to the South the MANUFACTURERS' RECORD has steadily opposed all schemes looking towards the colonization of large numbers of ignorant foreigners in this section. The South wants settlers. There is room for thousands, even millions of industrious people, and a hearty welcome is extended to all such, but the foreign emigration to this country at present is not composed of the character of people desired by the South. A few years ago the foreign emigrants were largely of a fine class of hard-working people, who helped to build up the West, but we are now getting too many socialists and anarchists. These people are all going West, and that very fact is causing the native Americans of that section to turn their attention to the South. The indications look like organized efforts are about to be made to establish large colonies of foreigners in the South under sectarian influence. As the MANUFACTURERS' RECORD stated a few weeks ago, if that is the program, then the South cannot afford to endorse any such movement. We want immigration, but we do not want that kind.

**Canning Factory.**

VICKSBURG, MISS., May 12, 1888.

*Editor Manufacturers' Record:*

We are now building our factory, and expect to be in operation by July 1, 1888. Capacity 25,000 cans per day.

VICKSBURG CANNING &amp; PRESERVING CO.

**Plans for Church Wanted.**

WILMINGTON, N. C., May 14, 1888.

*Editor Manufacturers' Record:*

Second Presbyterian Church will erect edifice to cost from \$12,000 to \$15,000. Bids will be wanted, but just now plans are desired. JOHN W. PRIMROSE.

**Will Rebuild Flour Mill.**

ROANOKE, W. VA., May 9, 1888.

*Editor Manufacturers' Record:*

I expect to rebuild my burned flour mill. OLIVER ALKIRE.

**Will Extend Railroad.**

TEXARKANA, ARK., May 6, 1888.

*Editor Manufacturers' Record:*

This company will extend their road this year. GATE CITY RAILROAD CO.

**Sewerage System to be Built.**

GADESDEN, ALA., May 8, 1888.

*Editor Manufacturers' Record:*

Our city authorities will establish a system of sewerage at an early date. Plans, maps and specifications will be ready and the contract for the work let in 60 days. Bonds to the extent to cover cost, perhaps \$50,000 or more, will be issued by the city. Correspondence, if there be any, should be addressed to John H. Disque, mayor, who will respond to all inquiries. JOHN L. DAUGHERILL.

CLARKSVILLE, TENN., May 8, 1888

*Editor Manufacturers' Record:*

We have just bought our outfit, and will erect a saw mill at once in Hickman county, Ky. Our postoffice will be Wingo Station. LUCAS & NEBLETT.

COVINGTON, GA., May 13, 1888.

*Editor Manufacturers' Record:*

I have bought a large quarry, and will open June 1. My quarry is in Rockdale county, Ga., 2 mile from Georgia Railroad. J. A. FARNEN.



## Mississippi Notes.

## Agricultural and Manufacturing Items.

[Special correspondence MANUFACTURERS' RECORD.]

ABERDEEN, Miss., May 12, 1888.

J. S. Boren, of Booneville, in Prentiss county, has established a manufactory in that town for sorghum evaporators of his own patent, and is doing an extensive business.

The blackberry crop in all portions of the State promises to be one of the most bountiful ever known.

The following were the shipments of lumber by sea from the port of Pascagoula for the week ending May 10th:

To	Feet.
Wagast, Germany.....	322,481
Hamburg, Germany.....	617,026
Dordrecht, Russia.....	416,175
St. Louis, Senegal.....	111,571
Liverpool, England.....	910,876
Key West, Florida.....	184,979

Total for the week.....3,634,008

The board of supervisors of Clay county appointed 15 leading citizens as delegates to the Immigration Convention that assembles in Jackson on the 26th.

The citizens of Natchez last week made up a purse of \$10,000, to be given as a bonus to any person or company that will erect a hotel in that city to cost at least \$50,000.

The contract has been let by the city council of West Point for the building of her \$20,000 public school house, before referred to in these notes, and it will be pushed rapidly to completion, and will be one of the finest structures of the kind in the State.

The death rate in Meridian, which claims a population of nearly 12,000, amounted to only 30 for the last four months—14 whites and 16 colored. Can any town in the North or West make a better showing than this? And yet Meridian is not an exceptionally healthy Mississippi town.

A party of 55 Northwestern farmers visited Hazlehurst, in Copiah county, last week, and were delighted with what they saw in that Mississippi bee hive.

Terry, in Hinds county, made its first shipment of tomatoes to Chicago this season on the 9th. The crop is a fine one, and the shipments will be continuous until frost.

The corner-stone of the monument to the Confederate dead of the State will be laid at Jackson with appropriate ceremonies on the 25th inst.

Capt. Raum, president of the Vicksburg Canning Factory, last week completed the purchase in Baltimore of the complete plant for this establishment, with capacity for an output of 25,000 two-pound cans per day. The plant includes everything needed for a first-class establishment, from boiler and steam engine "all through the chapter," and all of the appliances are of the newest and most approved kind, and President Raum has completed the good work by employing as "processor" or superintendent, Mr. Alfred Mitchell, of Baltimore, who is highly recommended for the position.

The Greenville Times has received from Mr. W. E. West, a Deer creek planter, a head of lettuce that measured four feet in circumference.

The total receipts of cotton for the season at Greenville up to May 4th amounted to 53,045 bales.

Meridian has organized a savings bank with a capital of \$50,000 and 153 stockholders. This is the first savings bank established in our State.

Mr. M. D. Williams is about to start a machine shop in Yazoo City.

The total receipts of cotton at Natchez for this season up to May 3d amounted to 46,434 bales. Total shipments to same date 42,587 bales.

The vote in Greenville last week on the

question of subscribing its bonds to the amount of \$100,000 towards the extension of the Georgia Pacific Railroad stood 617 to 1 in favor of the proposition.

Mr. James F. Cramp, a wealthy citizen of Yazoo county who died in 1884, left \$20,000 in his will to the schools of Yazoo City. The will was contested by the heirs, but has been confirmed by the Supreme Court.

Yazoo county had a surplus of \$4,000 in her county treasury last year, and consequently reduced her taxes one mill, but she again finds a surplus on hand of \$4,000.

Hazlehurst, in Copiah county, which, by the way, is one of the most progressive towns of its size in the Union, has just contracted for the immediate erection of a \$15,000 public school building.

The depot building now in course of erection at Hazlehurst by the Illinois Central Railroad will be, it is said, one of the finest structures of the kind on its Southern division.

The West Point Building & Loan Association, that organized April 24, has now nearly 800 subscribers, and the number is daily increasing.

Gen. Shattuck, president of the National Field Trials Association last week, on behalf of the club, selected grounds near the city of West Point, in Clay county, as a permanent location for the National Field Trials, and the association will assemble there with its dogs for the first time on the 10th of November next, and may depend upon West Point giving its members a most hospitable reception. This selection is due to the fact that East Mississippi is noted among sportsmen as the best bird country in America and the favorite haunt of the quail. In that region every condition is favorable to the propagation of game and adapted to bird hunting, and the gun clubs of Aberdeen, West Point, Columbus, Macon, Starkville and other towns make it their business to see to the strict enforcement of the game laws during the close season.

Mr. S. H. Berg, of Aberdeen, has the contract for building a new courthouse at Louisville, the county seat of Winston county, 16 miles from the railroad, and will temporarily remove his steam brick machine to that vicinity in preference to making the brick by hand. The capacity of this machine is 40,000 per day.

## Vinegar Factory.

LOUISVILLE, Ky., May 9, 1888.

Editor Manufacturers' Record:

We will erect a vinegar factory, capacity of 250 barrels per day, to be in place to start July 15 or August 1. For this purpose we have begun a brick addition to our present building, to be three stories, 26x50 feet, with boiler room outside, 15x30 feet.

R. M. HUGHES.

## Will Rebuild Planing Mill.

GREENVILLE, TENN., May 9, 1888.

Editor Manufacturers' Record:

We intend to rebuild our planing mill as soon as possible, and will want some machinery.

LAMONS SONS &amp; CO.

## Additional Machinery.

DECATUR, ALA., May 8, 1888.

Editor Manufacturers' Record:

We will put in another machine of 15 tons capacity, and 10,000 cubic feet of cold storage this season.

DECATUR ICE CO.

## Added Corn Meal Mill.

BONHAM, TEXAS, May 12, 1888.

Editor Manufacturers' Record:

I have added this spring a roller corn meal plant to my flour mill.

M. S. FISHER.

## Cotton Factory to be Built.

EUFULA, ALA., May 8, 1888.

Editor Manufacturers' Record:

The Eufaula Cotton Mills Co. will build a cotton factory, and the capital stock of \$100,000 is nearly made up.

JOSEPH G. THORPE.

## Bids Wanted for Building Bridge.

CHATTANOOGA, TENN., May 10, 1888.

Editor Manufacturers' Record:

The Chattanooga Bridge Co. contemplate building a bridge over the Tennessee river at Chattanooga at once, and will receive bids for construction of same.

R. M. BARTON.

## Agricultural Implement Works to be Built.

GOLDSBORO, N. C., May 9, 1888.

Editor Manufacturers' Record:

The Wayne Agricultural Works has been organized, and will commence building at once. Capital stock paid up \$15,500, and limited to \$50,000.

P. C. HUMPHREY, Sec'y and Treas.

ORANGE PARK, FLA., May 10, 1888.

Editor Manufacturers' Record:

The Orange Park Lumber Co. has been formed with a capital stock of \$15,000, with mill erected and fully equipped with a capacity of 15,000 feet per day.

F. J. SMITH, Sec'y.

**C. R. MAKEPEACE & CO.**  
ARCHITECTS and MILL ENGINEERS  
PROVIDENCE, R. I. Plans, Specifications and Estimates furnished for Cotton and Woolen Mills.

LOCKWOOD, GREENE &amp; CO.

**MILL ENGINEERS,**  
NEWBURYPORT, MASS.

PLANS AND SPECIFICATIONS FURNISHED FOR THE CONSTRUCTION, EQUIPMENT AND ORGANIZATION OF COTTON AND WOOLEN MILLS.

## WM. O. WEBBER.

Mill Consulting Engineer,

88 MASON BUILDING, - BOSTON, MASS.

SPECIALTIES.—Measurement of power. Designing and installation of motive power and manufacturing plants. Hydraulic Engineering.

## SAN ANTONIO, TEXAS,

Is an excellent location for manufacturers in nearly every line. For investors, climate seekers and immigrants unsurpassed. An extra opportunity for Canning Factories. For descriptive pamphlet address

L. M. GREGORY, Secy. Citizens' Association,  
SAN ANTONIO, TEXAS.

## THE GARDEN SPOT OF ALABAMA.

Unsurpassed by any other Place in the United States.

A Pamphlet giving a partial description of BREWTON and its surroundings, its unequalled climate, the many advantages for capital seeking investments in farming or factories, will be sent free, on application to

BREWTON, ALA.

March 24, 1888.

H. H. MALONE,  
C. F. RANKIN,  
C. D. HENDERSON.GREEN FOREST,  
Rockbridge County, Va

Best location in the State for a Furnace. Vast beds of rich Buena-Vista iron are at hand. Coke at less than three dollars per ton. Eight acres for a site offered FREE on the S. V. R. and the R. & A. Railroad.

Best location for a Paper Mill. Supply of soft wood unlimited. Two acres FREE for a site.

Best location for a Woolen Mill. One acre FREE for a site. Large water power available. Write to

E. C. MOONAW.

## West Point, Va.

A growing town. Property increasing in value. Factories invited. New enterprises exempt from taxation.

Splendidly located on York river.

Steamer lines to Europe, New York—Baltimore, &c.—

Oysters and fish in unlimited abundance. Surrounded by the great fruit and trucking country of Virginia. For any particulars desired, address,

E. WILKINSON, MAYOR.

Brown Ore  
Lands.5,000 Acres  
Brown Hematite  
Iron Ore & Timber  
Lands for Sale.

We have for sale about 5,000 acres of Brown Hematite Iron Ore Lands. The ore on this property is practically inexhaustible. THOUSANDS OF TONS VISIBLE TO THE EYE. The quality is equal to any in the South, being low in phosphorus, and will average fully 56 per cent. Metallic Iron. We invite inspection and examination. It is situated about two miles from the main line of railroad, and with a branch built over a very feasible route two or two and a half miles in length, the ore can be placed on the cars at a cost of from 25 to 40 cents per ton. This property is also heavily timbered with Yellow Pine, and the water privileges unexcelled. Contracts can be made to supply thousands of tons of these ores to furnaces contiguous at prices ranging from one to one and a-half dollars per ton, f. o. b. at the mines. Apply to

## REES &amp; CAMFIELD,

Anniston, Ala.



## Will Build New Foundry

GREENVILLE, MISS., May 8, 1888.

*Editor Manufacturers' Record:*

I will build new foundry at once and enlarge machine shop by adding old foundry to same. Will add new 30x38 feet planer and several other tools.

JOS. WALL.

## Rebuilding Mills.

HALLWOOD, VA., May 8 1888.

*Editor Manufacturers' Record:*

We hope to be running in 30 days. Have made a start to-day rebuilding our saw and planing mills, etc. G. B. JONES.

## To Erect Cotton Compress.

AMERICUS, GA., May 10, 1888.

*Editor Manufacturers' Record:*

Our company has purchased a good Tyler compress of about 800 to 1,000 bales per day capacity, and will begin at once its erection, and expect to have it ready for operation by next August. The new system of water works and gas works are now being constructed in this city.

AMERICUS, PRESTON &amp; LUMPKIN R. R. Co., J. N. BASS, Gen'l Supt.

## Additional Machinery.

WATER VALLEY, MISS., May 7, 1888.

*Editor Manufacturers' Record:*

The Yocona Mills want to buy 100 looms and other necessary machinery for weaving brown domestic. Water Valley is getting up stock for a small ice factory. Particulars can be had of R. H. Pote.

YOCONA MILLS,

D. R. WAGNER, Sec'y and Treas.

## Saw and Grist Mill.

PULASKI, TENN., May 9, 1888.

*Editor Manufacturers' Record:*

Logan Birdsong contemplates building a steam saw and grist mill to be attached to his gin, which is now run by horse power. Among other improvements there will be an attempt made to organize a company to put electric lights in the town.

E. B. JONES.

PARIS, TEXAS, May 10, 1888.

*Editor Manufacturers' Record:*

Paris, Choctaw & Little Rock Railway Co. has been organized with S. J. Wright as president; D. H. Scott, vice-president, and B. J. Baldwin, secretary. Propose to build from here, crossing Red river at the mouth of the Kionalea river, thence to Arkansas line, there to connect with Memphis & Little Rock Railroad.

S. J. WRIGHT.

## Cotton Yarns and Warps.

Single skeins:		
10 to 100.....	16	@17
100 to 200.....	16	@18 1/2
200 to 300.....	16	@20 1/2
300 to 400.....	16	@22 1/2
400 to 500.....	16	@24 1/2
500 to 600.....	16	@26 1/2
600 to 700.....	16	@28 1/2
700 to 800.....	16	@30 1/2
800 to 900.....	16	@32 1/2
900 to 1000.....	16	@34 1/2
1000 to 1100.....	16	@36 1/2
1100 to 1200.....	16	@38 1/2
1200 to 1300.....	16	@40 1/2
1300 to 1400.....	16	@42 1/2
1400 to 1500.....	16	@44 1/2
1500 to 1600.....	16	@46 1/2
1600 to 1700.....	16	@48 1/2
1700 to 1800.....	16	@50 1/2
1800 to 1900.....	16	@52 1/2
1900 to 2000.....	16	@54 1/2
2000 to 2100.....	16	@56 1/2
2100 to 2200.....	16	@58 1/2
2200 to 2300.....	16	@60 1/2
2300 to 2400.....	16	@62 1/2
2400 to 2500.....	16	@64 1/2
2500 to 2600.....	16	@66 1/2
2600 to 2700.....	16	@68 1/2
2700 to 2800.....	16	@70 1/2
2800 to 2900.....	16	@72 1/2
2900 to 3000.....	16	@74 1/2
3000 to 3100.....	16	@76 1/2
3100 to 3200.....	16	@78 1/2
3200 to 3300.....	16	@80 1/2
3300 to 3400.....	16	@82 1/2
3400 to 3500.....	16	@84 1/2
3500 to 3600.....	16	@86 1/2
3600 to 3700.....	16	@88 1/2
3700 to 3800.....	16	@90 1/2
3800 to 3900.....	16	@92 1/2
3900 to 4000.....	16	@94 1/2
4000 to 4100.....	16	@96 1/2
4100 to 4200.....	16	@98 1/2
4200 to 4300.....	16	@100 1/2
4300 to 4400.....	16	@102 1/2
4400 to 4500.....	16	@104 1/2
4500 to 4600.....	16	@106 1/2
4600 to 4700.....	16	@108 1/2
4700 to 4800.....	16	@110 1/2
4800 to 4900.....	16	@112 1/2
4900 to 5000.....	16	@114 1/2
5000 to 5100.....	16	@116 1/2
5100 to 5200.....	16	@118 1/2
5200 to 5300.....	16	@120 1/2
5300 to 5400.....	16	@122 1/2
5400 to 5500.....	16	@124 1/2
5500 to 5600.....	16	@126 1/2
5600 to 5700.....	16	@128 1/2
5700 to 5800.....	16	@130 1/2
5800 to 5900.....	16	@132 1/2
5900 to 6000.....	16	@134 1/2
6000 to 6100.....	16	@136 1/2
6100 to 6200.....	16	@138 1/2
6200 to 6300.....	16	@140 1/2
6300 to 6400.....	16	@142 1/2
6400 to 6500.....	16	@144 1/2
6500 to 6600.....	16	@146 1/2
6600 to 6700.....	16	@148 1/2
6700 to 6800.....	16	@150 1/2
6800 to 6900.....	16	@152 1/2
6900 to 7000.....	16	@154 1/2
7000 to 7100.....	16	@156 1/2
7100 to 7200.....	16	@158 1/2
7200 to 7300.....	16	@160 1/2
7300 to 7400.....	16	@162 1/2
7400 to 7500.....	16	@164 1/2
7500 to 7600.....	16	@166 1/2
7600 to 7700.....	16	@168 1/2
7700 to 7800.....	16	@170 1/2
7800 to 7900.....	16	@172 1/2
7900 to 8000.....	16	@174 1/2
8000 to 8100.....	16	@176 1/2
8100 to 8200.....	16	@178 1/2
8200 to 8300.....	16	@180 1/2
8300 to 8400.....	16	@182 1/2
8400 to 8500.....	16	@184 1/2
8500 to 8600.....	16	@186 1/2
8600 to 8700.....	16	@188 1/2
8700 to 8800.....	16	@190 1/2
8800 to 8900.....	16	@192 1/2
8900 to 9000.....	16	@194 1/2
9000 to 9100.....	16	@196 1/2
9100 to 9200.....	16	@198 1/2
9200 to 9300.....	16	@200 1/2
9300 to 9400.....	16	@202 1/2
9400 to 9500.....	16	@204 1/2
9500 to 9600.....	16	@206 1/2
9600 to 9700.....	16	@208 1/2
9700 to 9800.....	16	@210 1/2
9800 to 9900.....	16	@212 1/2
9900 to 10000.....	16	@214 1/2

Soft twist, single skeins:		
10 to 100.....	16	@17
100 to 200.....	16	@18 1/2
200 to 300.....	16	@20 1/2
300 to 400.....	16	@22 1/2
400 to 500.....	16	@24 1/2
500 to 600.....	16	@26 1/2
600 to 700.....	16	@28 1/2
700 to 800.....	16	@30 1/2
800 to 900.....	16	@32 1/2
900 to 1000.....	16	@34 1/2
1000 to 1100.....	16	@36 1/2
1100 to 1200.....	16	@38 1/2
1200 to 1300.....	16	@40 1/2
1300 to 1400.....	16	@42 1/2
1400 to 1500.....	16	@44 1/2
1500 to 1600.....	16	@46 1/2
1600 to 1700.....	16	@48 1/2
1700 to 1800.....	16	@50 1/2
1800 to 1900.....	16	@52 1/2
1900 to 2000.....	16	@54 1/2
2000 to 2100.....	16	@56 1/2
2100 to 2200.....	16	@58 1/2
2200 to 2300.....	16	@60 1/2
2300 to 2400.....	16	@62 1/2
2400 to 2500.....	16	@64 1/2
2500 to 2600.....	16	@66 1/2
2600 to 2700.....	16	@68 1/2
2700 to 2800.....	16	@70 1/2
2800 to 2900.....	16	@72 1/2
2900 to 3000.....	16	@74 1/2
3000 to 3100.....	16	@76 1/2
3100 to 3200.....	16	@78 1/2
3200 to 3300.....	16	@80 1/2
3300 to 3400.....	16	@82 1/2
3400 to 3500.....	16	@84 1/2
3500 to 3600.....	16	@86 1/2
3600 to 3700.....	16	@88 1/2
3700 to 3800.....	16	@90 1/2
3800 to 3900.....	16	@92 1/2
3900 to 4000.....	16	@94 1/2
4000 to 4100.....	16	@96 1/2
4100 to 4200.....	16	@98 1/2
4200 to 4300.....	16	@100 1/2
4300 to 4400.....	16	@102 1/2
4400 to 4500.....	16	@104 1/2
4500 to 4600.....	16	@106 1/2
4600 to 4700.....	16	@108 1/2
4700 to 4800.....	16	@110 1/2
4800 to 4900.....	16	@112 1/2
4900 to 5000.....	16	@114 1/2
5000 to 5100.....	16	@116 1/2
5100 to 5200.....	16	@118 1/2
5200 to 5300.....	16	@120 1/2
5300 to 5400.....	16	@122 1/2
5400 to 5500.....	16	@124 1/2
5500 to 5600.....	16	@126 1/2
5600 to 5700.....	16	@128 1/2
5700 to 5800.....	16	@130 1/2
5800 to 5900.....	16	@132 1/2
5900 to 6000.....	16	@134 1/2
6000 to 6100.....	16	@136 1/2
6100 to 6200.....	16	@138 1/2
6200 to 6300.....	16	@140 1/2
6300 to 6400.....	16	@142 1/2
6400 to 6500.....	16	@144 1/2
6500 to 6600.....	16	@146 1/2
6600 to 6700.....	16	@148 1/2
6700 to 6800.....	16	@150 1/2
6800 to 6900.....	16	@152 1/2
6900 to 7000.....	16	@154 1/2
7000 to 7100.....	16	@156 1/2
7100 to 7200.....	16	@158 1/2
7200 to 7300.....	16	@160 1/2
7300 to 7400.....	16	@162 1/2
7400 to 7500.....	16	@164 1/2
7500 to 7600.....	16	@166 1/2
7600 to 7700.....	16	@168 1/2
7700 to 7800.....	16	@170 1/2
7800 to 7900.....	16	@172 1/2
7900 to 8000.....	16	@174 1/2
8000 to 8100.....	16	@176 1/2
8100 to 8200.....	16	@178 1/2
8200 to 8300.....	16	@180 1/2
8300 to 8400.....	16	@182 1/2
8400 to 8500.....	16	@184 1/2
8500 to 8600.....	16	@186 1/2
8600 to 8700.....	16	@188 1/2
8700 to 8800.....	16	@190 1/2
8800 to 8900.....	16	@192 1/2
8900 to 9000.....	16	@194 1/2
9000 to 9100.....	16	@196 1/2
9100 to 9200.....	16	@198 1/2
9200 to 9300.....	16	@200 1/2
9300 to 9400.....	16	@202 1/2
9400 to 9500.....	16	@204 1/2
9500 to 9600.....	16	@206 1/2
9600 to 9700.....	16	@208 1/2
9700 to 9800.....	16	@210 1/2
9800 to 9900.....	16	@212 1/2
9900 to 10000.....	16	@214 1/2

Two-ply chain warps:		
100.....	17 1/2	@17 1/2
140.....	18	@18
200.....	20	@20 1/2
260.....	24	@24 1/2
320.....	30	@30 1/2
380.....	35	@35 1/2
440.....	35	@35 1/2
500.....	35	@35 1/2

New York and Philadelphia quotations furnished  
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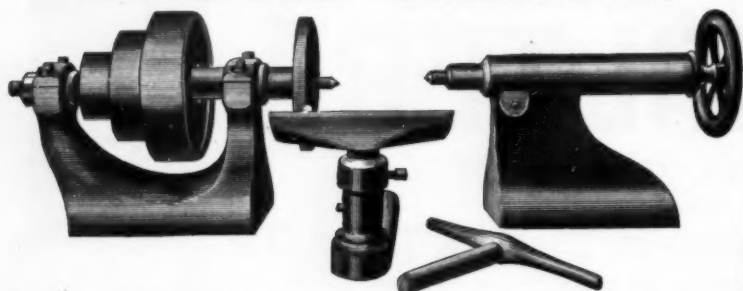
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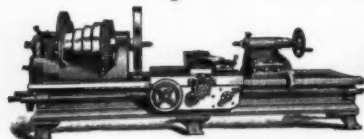
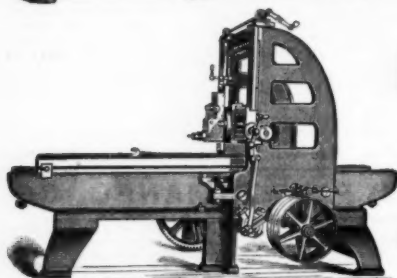
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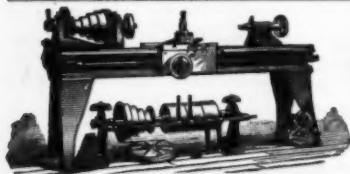
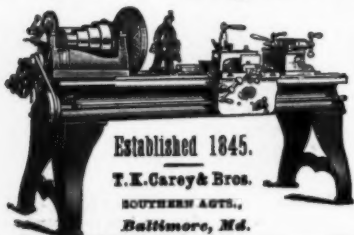
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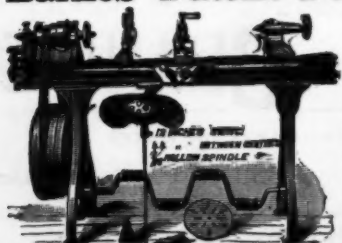
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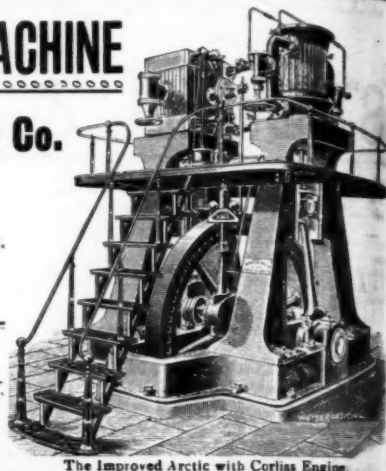
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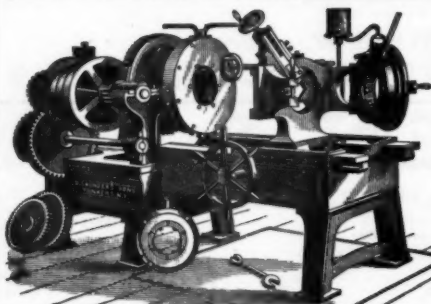
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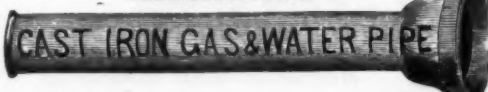
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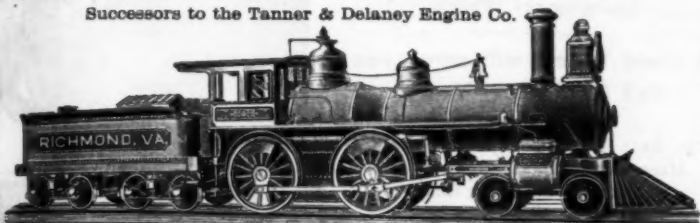
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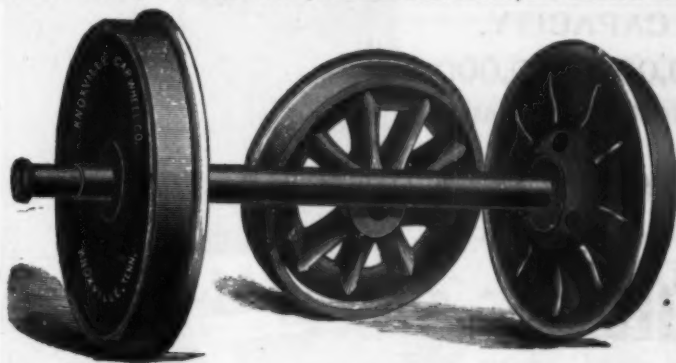
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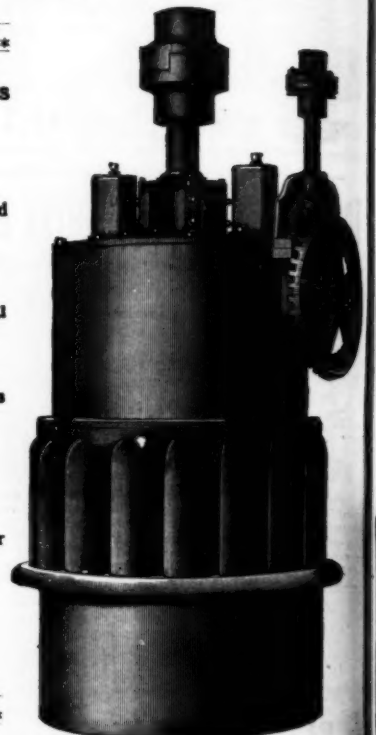
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	" " " " " "	1-33		Thomas M. Holt, Haw River, N. C.	1-6
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	" " " " " "	1-24		C. J. Milne & Son, Wilmington, Del.	1-36
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	J. C. Watson & Bro., Ridge Springs, S. C.	1-21			



## THE PERFECTION BRICK PRESS.

An easy-working, quick-operating and powerful  
press. Will successfully press brick made on any  
Brick or Tile Machine.

The Wrought-Iron Tempering Wheel,  
The most thorough mud temperer known. Tempers  
faster, mixes better and runs lighter than any wheel  
made.

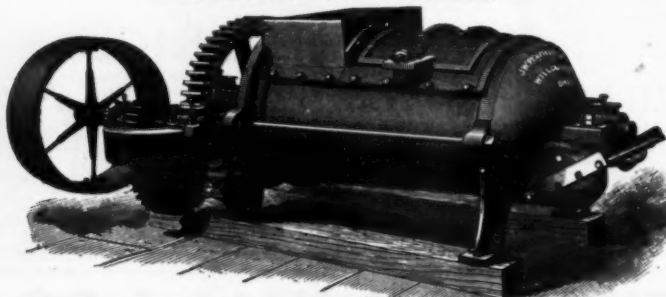
Barrows, Trucks, Molds, Kiln Doors, &c.

Write us for prices.

**C. W. RAYMOND & CO.**  
DAYTON, O.

Mention Manufacturers' Record.

## THE Very Latest and Best—**Brick and Clay-Working Machinery,** —OUTFITS AND SUPPLIES.—



Mention this paper and receive our elegant-  
ly illustrated Catalogues containing colored  
engravings of brick, tile, etc.

**J. W. PENFIELD & SON, WILLOUGHBY,  
Ohio.**

**FREY'S NEW BRICK AND TILE MACHINE**  
40,000 BRICK PER DAY  
TILE  
With Automatic CUT OFF.  
Regime and Full Factory OUTFITS  
from 16 to 20 inches 13 styles CLAY CRUSHERS  
Machines with or without Crushers. 6 different Brickmachines.  
Address FREY, SHECKLER & HOOVER, BUCYRUS, OHIO.

If you want to buy a new water wheel, if your old wheel does not give  
absolute satisfaction, if you would like to know just how perfect a water  
wheel can be made, or if you are in any way interested in water wheels, it  
will pay you to write for CATALOGUE NO. 3 to the

**HOLYOKE MACHINE CO.**  
WORCESTER, MASS.



# Anniston

THE CENTER OF  
Iron and Cotton Industry  
AND MINERAL WEALTH.

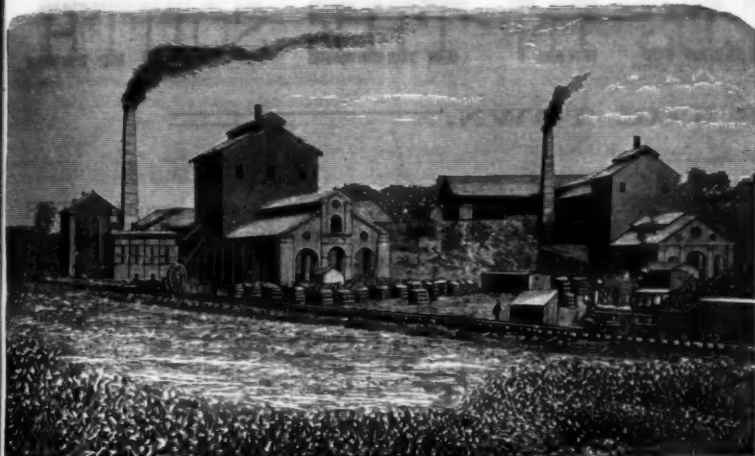
"The Model City of the South."

## IT IS

The Profits of Labor only that can add to the wealth and prosperity of a nation or community. It is this only that can make business successful and profitable, sustain and add to the value of real estate.

## WHERE

Nature's resources are greatest, where nature's capital in rich agricultural lands, and where iron, coal and other useful minerals are most abundant, most accessible and of superior quality for all purposes, there will capital find its safest investment, largest returns and labor reap its richest reward. It is to the Anniston District where the best professional mining engineers and experts of the United States declare the great center of the iron industry of the South will drift, where its manufacture will be most permanent and profitable, and where ores in the greatest abundance and accessibility exist, and where they will be most easily mined, that this applies.



WOODSTOCK FURNACES—ANNISTON.

## The Development of the Past Fifteen Years

Confirms all this, and every year convinces the experts of the correctness of their judgment. It is no longer opinion based on scientific and practical education; it is a fact that is clearly and successfully demonstrated, so that the visitor to the Anniston District can see at every step. The four iron furnaces that have been so long and successfully operated, and the new plant now being erected, and rapidly approaching completion, which will be capable of producing one hundred thousand tons of pig iron a year, demonstrate that

## NOWHERE IN THE SOUTH

Has the iron industry been so profitable and so successful, or been established on so permanent a basis, and of no district is this so universally conceded by all, while nowhere else have arrangements been perfected and already established on so complete a scale to work the crude iron into higher branches of manufacture to increase its value, and to bring into the district the profits of skilled labor. THE GREAT CAR WHEEL WORKS OF NOBLE BROS. & CO., their rolling mill and steam forge and machine shops, and the Alabama Car Works, have been absorbed by the

## UNITED STATES ROLLING STOCK COMPANY,

With a capital of \$4,000,000, for the purpose of adding to and enlarging the entire plant to build TWENTY CARS A DAY. Everything that goes into the creation of a car, except the tin for the roof and the wire nails, will be created from Anniston's crude material by her labor and skill. Fifty tons of wheel iron will be made into car wheels daily, twenty tons into car axles, fifty tons of pig iron into car and other castings, and fifty tons into bar iron and bolts, making nearly ten thousand dollars per day added to the wealth of the country by profitable labor converting nature's capital to the use of man. This company have a capital of \$4,000,000, and their Anniston works will represent a cash outlay of \$1,000,000. One thousand skilled mechanics will be employed as soon as the great enlargements under way can be completed,

## THE STEEL BLOOMARY

Consumes and increases the value of twenty tons of pig iron per day, while the Pipe Foundry converts to the use of man TWO HUNDRED TONS OF PIG IRON PER DAY in one of the largest and best planned and most convenient labor-saving works on this continent. The Foundry of Murray & Stevenson, Engine and Machine Works of Pinder & Co., and Boiler and Sheet Iron Works of J. & D. Noble, all add to the consumption of crude material by the creation of finished work.

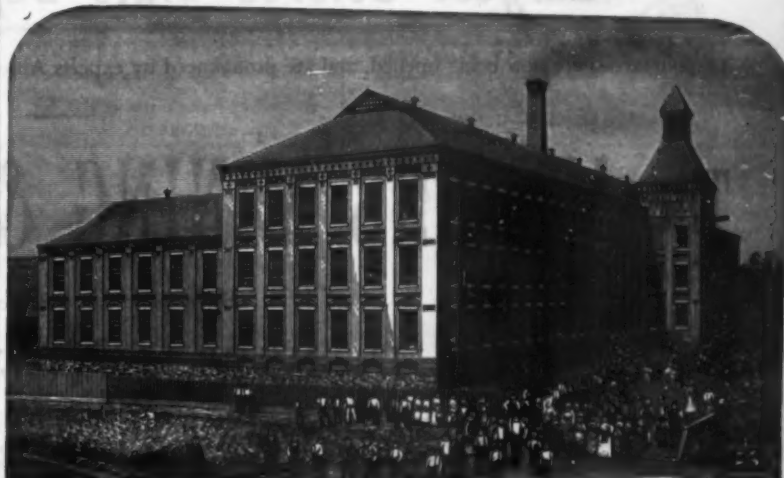
## NOR IS IT TO IRON ALONE

That Anniston relies for increase of wealth and population. The Cotton Factory, with eleven thousand seven hundred spindles and three hundred and seventy-five looms, employing over three hundred and fifty operatives, adds greater value to the products of agriculture by converting six thousand bales of cotton into cotton cloth. The immense ninety-inch Morse Cotton Compress, with its brick warehouses, is fast making Anniston a cotton market and commercial center, and aiding its wholesale and retail merchants to extend and hold the trade of the country tributary to Anniston that its system of railroads has opened to them. The Georgia Pacific, the East Tennessee, Virginia & Georgia Railroad systems,

## Give Direct Communication and Through Rates

To all parts of the country, while the Anniston & Atlantic Railroad, built by Anniston capital to open up new agricultural and mineral resources, gives Anniston, by connection with the Central of Georgia system, communication with the Atlantic sea coast and the new Anniston & Cincinnati Railroad, built and owned by Anniston citizens, opens up new resources and connections, and a shorter line with the great Northwest.

The proposed extension of the Anniston & Atlantic Railroad to Bloston will give another and shorter line to the great Cahaba Mines, producing the very best coal for domestic and manufacturing purposes in the South. Forty thousand acres of these coal lands, upon which a million and a half dollars have been lately spent in opening new mines and building several hundred coke ovens, ALL OWNED AND CONTROLLED BY ANNISTON CAPITAL, and developed to mine and manufacture three thousand tons of coal and coke per day, secures to Anniston for generations to come a full and certain supply of cheap fuel for all her industries, operated where a rich agricultural country can feed a manufacturing and commercial people, and where the



ALABAMA MANUFACTURING COMPANY'S COTTON MILL—ANNISTON.

## Best, Healthiest and Most Invigorating Climate in the World,

With mountain air and pure water, and an elevation of nine hundred feet above tide water, insures the health and comfort of the workman and his family; where health and comfort stimulate and lighten labor, and secure to it and its industries the reward due to both. It is these advantages which have been given by nature that enabled Anniston's citizens to create her past and present prosperity, and which secure her future. It is that they may participate in and avail themselves of these advantages that Anniston invites NEW CAPITAL AND TALENT AND ENERGY from all sections. We invite all to come and see, and on the spot to judge for themselves of Anniston's great resources and possibilities. The comfort and quiet of the famous Anniston Inn will make a visit to our city a treat and pleasure. Any information, attention and courtesy will be given and shown by addressing or applying to the

ANNISTON CITY LAND CO., Anniston, Ala.

# ATHENS, East Tennessee,

THE COMING

→ Iron and Manufacturing City of the South. ←

Athens is the county seat of one of the most fertile counties in East Tennessee. The health of the city is unsurpassed, and is **ABSOLUTELY FREE FROM ALL MALARIAL OR EPIDEMIC DISEASES**. The surrounding scenery is very fine. From the main avenue the whole valley of East Tennessee can be seen, from the Cumberland Mountains on the west to the Great Smoky Mountains on the east; some of the tallest peaks east of the Rockies being in full view. **FINE MINERAL SPRINGS** are adjacent and are popular summer resorts. The society of Athens is excellent. A cordial welcome is extended to all law-abiding people locating in the town. The **EDUCATIONAL FACILITIES** are good. Beside public and preparatory schools, Athens is the seat of **THE GRANT MEMORIAL UNIVERSITY**, which has an enrollment of over 300, and whose graduates include some of the most distinguished citizens in the country. Among the industries and institutions of the place in active operation are:

**THE ATHENS BUILDING & LOAN ASSOCIATION, \$250,000.**      **THE ATHENS WOOLEN MILLS, \$100,000.**

**THE FIRST NATIONAL BANK, \$50,000.—To be increased at once.**

**FOUNDRY & MACHINE SHOPS, \$25,000.**

**FURNITURE WORKS, \$15,000.**

**FLOURING MILLS, \$20,000, etc.**

500 men are now at work on the new railroad from Athens to the

## RICHEST IRON FIELDS IN THE SOUTH.

JUST EAST OF THE TOWN.

Only eight miles from Athens are **VEINS OF RED FOSSILIFEROUS ORE 11½ FEET THICK**, and 4 to 12 miles beyond are **THE LARGEST DEPOSITS OF BROWN ORES IN THE SOUTH**. The ores of both varieties, in addition to being inexhaustible, are both superior in quality to any ores of either variety at present mined in the South. An assertion that can be sustained. Coke can now be obtained at the lowest prices, and in addition a new railroad is now projected to the Cumberland Coal Fields, only 22 miles distant. These roads will give Athens **UNSURPASSED SHIPPING FACILITIES**. The road under construction will penetrate large deposits of Tennessee Variegated Marble; also an Unopened Timbered Region, and will develop the

### *Largest Colored Slate Deposits in the United States.*

These quarries are now being opened, and are pronounced by experts Absolutely Inexhaustible, and equal in quality to the finest Vermont Colored Slate.

## The ATHENS MINING & MANUFACTURING CO.

Have alone just contracted for the erection of over

**\$500,000 IN NEW MANUFACTURING ENTERPRISES**

At Athens, including a 100 ton Blast Furnace, cost \$200,000; Cotton Mills, cost \$150,000; Furniture Works, employing 200 men, cost \$100,000; Hotel, cost \$60,000; Water Works, Street Car Lines, &c. These improvements have been commenced which, added to other improvements projected, will add

**\$1,000,000 OF NEW MANUFACTURING ENTERPRISES TO ATHENS.**

The company desire to open correspondence with parties desiring to locate, and will extend liberal inducements in addition to gifts of sites in order to induce New Manufacturing Enterprises to locate in Athens. City property is doubling in value every few months, and at present low prices is beyond question a very fine investment.

## The Athens Mining & Manufacturing Company,

R. L. BRIGHT, President.

R. J. FISHER, Secy. and Genl. Manager.



# Tuskaloosa, Ala.

\* ALABAMA'S NATURAL PITTSBURGH. \*

A Railroad and River Town of 6,000 Inhabitants, in the Coal, Iron and Timber District.

DIPLOMAS FOR

The Best Furnace Coke and the Best Blacksmith Coal

WERE AWARDED THIS CITY OVER ALL AND MANY COMPETITORS AT THE GREAT PIEDMONT EXPOSITION.

HEALTHFUL LOCATION. SALUBRIOUS CLIMATE. SCHOOL FACILITIES UNEQUALED BY ANY OTHER TOWN IN THE SOUTH.

"EXAMINE THE MAP."

\* SITUATED ON \*

**Queen & Crescent**

TRUNK LINE,

IN THE

**Warrior Coal Field**

AND ON THE

**WARRIOR RIVER.**

Only Navigable River touching the

**Alabama Mineral Field.**

Eight Months Navigation. Being Surveyed  
now to be opened all the year round.

All Water Navigation to

\* **MOBILE** \*

AND THE

**Entire Gulf and Atlantic Coasts.**

THE

**Tuskaloosa Northern Railroad**

Is now under construction into the

**MINERAL & TIMBER FIELDS.**

THE

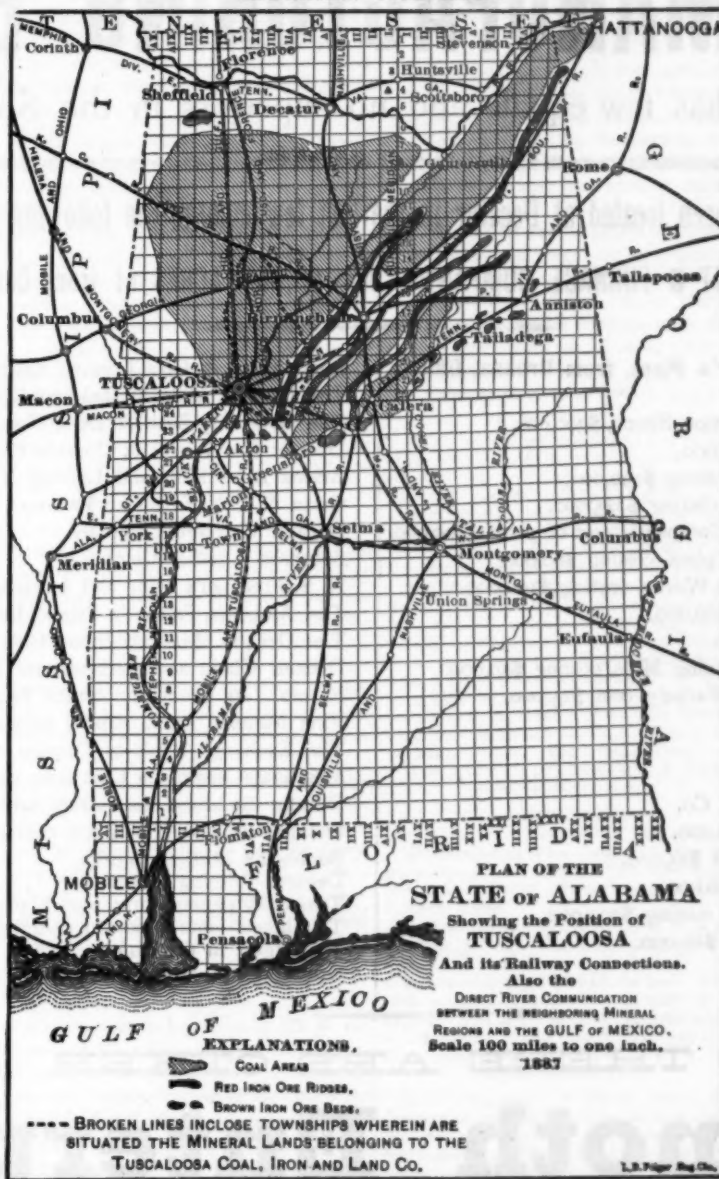
**Macon & Tuskaloosa Railroad**

Will soon be building into the

**COTTON REGION OF MISSISSIPPI.**

**Fine Farming Region**

Around and Below the City.



Superior Inducements

AND

\* ADVANTAGES \*

TO ALL

Manufactories Consuming

**WOOD,  
IRON,  
COTTON.**

**FINE COKING COAL**

In workable veins near city, fully tested.

◀ **The Fire Clay** ▶

Existing in inexhaustible quantities, has been  
practically tested and pronounced

The Best yet Discovered in the South.

**The Tuskaloosa Belt Railway**

NOW IN OPERATION.

◀ **THE TUSKALOOSA WATER WORKS** ▶

NOW BUILDING.

**COTTON MILL**

In Successful Operation.

ALSO

**LARGE BRICK WORKS**

COTTON-SEED OIL MILL, &c.

Manufacturers Seeking Locations in the South have here

⊗ **THE GOLDEN OPPORTUNITY.** ⊗

Many have availed themselves of it, but such is the wonderful richness of the resources of this section that there is

• **ROOM FOR ALL** •

THE **Tuskaloosa Coal, Iron & Land Co.,**

Owning 4,600 acres of city and suburban property, and 40,000 acres of mineral and timber lands, offers liberal inducements to manufacturers  
to locate at Tuskaloosa, Nature's City, and invites correspondence and the fullest investigation of its claims.

An illustrated descriptive pamphlet sent free upon application to

**W. C. JEMISON,** President Tuskaloosa Coal, Iron & Land Co., **TUSKALOOSA, ALA.**

# DECATUR, ALA.

Offers outside investors better inducements to locate than any other

 CITY IN THE SOUTH. 

AS A CITY OF

## Mammoth MANUFACTURING Enterprises,

She has few equals and no superiors in the South.

There have been located at Decatur in the last few months the following Industries :

THE DECATUR LAND, IMPROVEMENT & FURNACE COMPANY. Has 50,000 ACRES of Iron, Coal, Mineral and Timber LANDS.

United States Rolling Stock Company's Plant, from Urbana, Ohio,  
\$1,000,000.

Louisville & Nashville Railway Construction Shops, \$300,000.

Charcoal Company's plant, costing \$120,000.

A seventy-ton Charcoal Iron Furnace, costing \$190,000.

A one hundred-ton Blast Iron Furnace, costing \$225,000.

The Decatur Iron Bridge Construction Company; cost of plant, \$100,000.

The American Oak Extract Company's plant, costing \$60,000.

Ivens & Sons Steam Boiler and Engine Works, costing \$100,000.

Morse Cotton Compress plant, costing \$60,000.

Southern Horse Nail Company, \$100,000.

Decatur Lumber Company, Saw and Planing Mills, costing \$50,000.

Berthard & Co., Sash, Door and Blind Factory, cost \$15,000.

The Decatur Street Railway Company.

The Plumbers' Supply Co., \$25,000.

The Telephone Company.

The Alabama Lumber & Fruit Package Co.

Brush Electric Light Company, cost \$10,000.

The Ironton Wheelbarrow Company, cost \$25,000.

The St. Louis Investment Company, \$200,000.

Howland & Co's Water Works System, costing \$200,000.

Bleymeyer Artificial Ice Company, cost \$10,000.

Four Mammoth Brickyards.

Jones, Poley & Co's Lumber Yards.

The Hoosier Mills & Building Company.

The Gate City Sash & Door Company.

Decatur Car Wheel & Construction Company, \$60,000.

Arantz Bro's Mills and Lumber Yards.

Grant & Co's Furniture Factory.

Decatur Carriage Company.

Southern Lumber Company.

H. S. Freeman's Mills and Lumber Yards.

The Alabama Farmer's Friend Fence Machine Company.

The Decatur Artificial Stone Company.

Decatur Chain and Architectural Iron Works, capital \$100,000.

Natural Gas Company, capital \$200,000.

First National Bank, capital \$100,000.

The Exchange Bank of Decatur, capital \$100,000.

Merchants' Insurance Company, capital \$100,000.

Decatur Building Association, capital \$300,000.

Decatur Building Company, capital \$1,000,000.

Buchheit's Bottling Works.

Decatur Printing Company.

Two daily papers, three weekly papers.

Two hotels—one \$100,000, completed, and one \$300,000 being built; the largest in the South.

Grand Opera House, \$100,000.

THERE ARE OTHER

## Mammoth Enterprises

Locating here, and contracts are being made with some of the most extensive industries in the United States.

Decatur is the Healthiest city in Alabama, the death rate among whites for 1886 being only 11 in 1,000.

## Decatur Land, Improvement & Furnace Company.

E. C. GORDON, President.

H. G. BOND, Vice-Prest. and Gen. Manager.

W. T. MULLIGAN, Secretary.

This Company has been pre-eminently successful in promoting the interests of the city of Decatur.

CORRESPONDENCE SOLICITED WITH PARTIES SEEKING LOCATIONS.



## TRADE NOTES.

MESSRS. HUMPHREYS & SAYCE, manufacturers' agents and dealers in steel and iron rails, New York City, have moved their office from No. 1 Broadway to No. 10 Wall street. At the last-named number they are busy filling orders for railway equipments, lagging, mining and plantation rail and tram roads.

THE Laidlaw & Dunn Co., of Cincinnati, O., have been awarded the contract for two of their "duplex" steam pumps to pump water for the grand water falls and fountains in Horticultural Hall, and also for the large elevator pump for Washington Park department, at the Cincinnati Centennial Exposition, opening July 4 and closing October 27.

EVERY ONE using water power or contemplating the purchase of a new turbine wheel, should write to the Stilwell & Bierce Manufacturing Co., Dayton, O., and ask for a copy of their elegantly illustrated catalogue, sent free to those interested in water power. The Victor turbine is becoming very popular as a motive power in generating electric light.

THE Boomer & Bochart Press Co., of Syracuse, N. Y., have just issued their new spring catalogue and price-list for 1888. It contains illustrations and descriptions of their full line of cider and wine presses, both for power and hand use, and all the latest improvements in this line of machines. A copy of the catalogue will be mailed free to the readers of this paper.

MESSRS. CHAS. A. SCHIEREN & Co., of New York, have recently opened a branch house at 46 South Canal street, Chicago. They will carry a full line of goods, such as standard, short lap, electric and leather-link belting; also raw hide and tanned lace leather. Mr. Emil Gabel, formerly president of the Gabel Belting Co., of Chicago, will have charge of this branch.

"C. M. B." offers for sale in this issue a valuable saw mill and brick-yard. This property is situated in the midst of good timber and clay lands, and is on the line of a railroad in North Alabama. The machinery outfit is complete, and the opportunity is afforded to make a profitable investment and establish a paying business. See advertisement for description of property, &c.

LOCKWOOD, GREENE & Co., mill engineers, Newburyport, Mass., have nearly completed plans for the construction of buildings and arrangement of machinery for the Naim Linoleum Co., of East Newark, N. J. The entire power for this plant will be transmitted by main driving ropes. They are also having a new mill office built for the Newberry Cotton Mills, of Newberry, S. C. Plans have been made for a rope driving plant for the Whitefield Mills, of Newburyport, Mass., and for the Lonsdale Co., of Lonsdale, R. I.

THE Kentucky & Indiana Cement Co., of Jeffersonville, Ind., beg to inform the public that their new cement works, situated on the Ohio & Mississippi Railroad, four miles north of that city, are now in course of completion, and will be ready for operation about the first of next month. Their facilities for the manufacture of cement are second to none. With an expert of many years' experience in the business, cement rock of superior quality underlying over 200 acres of their land, a milling capacity of 1,500 barrels per day, and the mills, kilns, machinery and all other necessary appendages substantially built of the latest improved patterns, and all tending to methods of economy and convenience, they are in a position to manufacture the best quality of cement, and to guarantee their patrons entire satisfaction, prompt, personal attention, and fair and honorable dealing. They invite correspondence and a trial of their cement.

SEBASTIAN, MAY & Co's illustrated catalogue and price-list, which has recently been published, is a most complete book. All classes of foot and power lathes, drill presses, shapers, wood-working machinery, engines and boilers, machinists' and amateurs' supplies are handsomely illustrated and minutely described. The capacity, weight and price of these machines are given, and wood-workers and machinists as well as the general public may obtain a copy of this catalogue by writing to them at 191 West Second street, Cincinnati, O.

THE George G. McLaughlin Manufacturing Co., No. 137 Oliver and 101 to 107 Purchase streets, Boston, Mass., manufacturers of McLaughlin's improved adjustable steam flue cleaner, have just issued a catalogue descriptive of their specialties, to which they ask the attention of jobbers and dealers. They are having a large demand for their steam and power pumps, feed water heaters and boilers, and have recently shipped to Messrs. Williams & Co., Memphis, Tenn., a lot of steam flue cleaners, 30 inches in diameter, which is the largest size ever made.

THE Eagle Machine Works (Frey, Sheckler & Hoover, owners), at Bucyrus, O., we learn, are running a full force day and night, and employ a neighboring foundry besides their own to get out castings for their celebrated brick and tile machines, clay crushers, winding drums, dump cars and engines. They are loading up another car with brick machinery for the Pacific slope, the second within a month. The orders for this class of machinery have increased to such an extent that they have been compelled to call in all their travelling men. Much of this success is attributed to their advertisement in the MANUFACTURERS' RECORD.

THE attention of capitalists and manufacturers is called to the advertisement in this issue of Jno. W. Hinsdale and Earnest Haywood, receivers of the North Carolina Mill Stone Co. These gentlemen will offer for sale at public auction on July 5, 1888, all the assets of that concern, including large tracts of finely timbered and good farming land; the quarry, shops, machinery, etc., from which are made the well-known Moore county grist mills; also saw mill, patent roller flouring mills, ice machine, machine shops and foundry, all complete and equipped with the best machinery. This sale affords a most excellent opportunity for a profitable investment, and those desiring to purchase would find it to their advantage to correspond with the receivers for terms and further information. Their address is Raleigh, N. C.

A NEW boiler on the pipe or coil principle has lately been brought out by Mr. W. M. Brown, of Albany, N. Y. The use of pipes and coils in the construction of boilers is not new, but the construction of appliances by which the fuel is introduced, mixed with air and brought to the point of combustion is a new feature, giving, we learn, good results. Mr. Brown claims for his apparatus special economy from the use of an hydrogen flame, perfect combustion with the means of utilizing nearer than before the theoretical number of heat units evolved. In this connection a peculiar and striking feature is shown in the management of the flame, all those portions of the pipes or coils exposed to its action being wrapped and covered in their entire area by a thin blue sheet without impinging its force on any particular point to their detriment or injury. Those who wish to know more of this apparatus can obtain the illustrated catalogue by above address.

THOMAS V. HALL & Co., Chattanooga, Tenn., manufacturers' agents for the sale of all kinds of machinery, write that they have closed the following contracts the past week: Canning machinery and buildings for the Brownville Canning Co., of Brownville,

Tenn.; size of buildings 166 feet long by 61 feet 6 inches wide, part two-stories, balance one-story. They have spared no pains to make this a model cannery, and feel confident that it cannot be excelled, having introduced many labor-saving and useful features in the equipment. They expect to have the cannery in operation by the 10th of June. The capacity of cannery will be from 3,000 to 10,000 three-pound cans or smaller per day. They also have in hand for Brownsville parties ice manufacturing plant and water works, and have just closed contract for one passenger and one freight hydraulic elevator, with a lot of shafting and other machinery for Mr. J. M. Head's new business house on North College street, Nashville, Tenn. They have a number of water works outfits contracts, which they will close in a few days; also three small canneries, two planing mills and one spoke and handle factory contracts about closed. They are very busy in their draughting department, and their engineers are in great demand in laying out water works systems at various points south and west of Chattanooga. They report business very good at present.

THE United States Gutta Percha Co., 131, 133 and 135 Mathewson street, Providence, R. I., have had such an increased demand for their paint that the company has been obliged to greatly increase its facilities for manufacturing, and has recently built a larger factory, which has been filled with new, expensive and improved machinery. The factory and office are now centrally located at 131 Mathewson street, near the Stonington freight station. As in proof of the esteem in which their paint is held, the company submit the following letter:

DEAR SIR—A few years ago I was induced to try your United States gutta percha paint, although at the time I was prejudiced against it, and was selling a large amount of a well-known paste paint. The great superiority of your paint soon showed itself, and my sales have greatly increased and now far exceed those of the other kind. For body, covering capacity and durability it is unsurpassed by either hand-mixed lead and oil, paste or other ready mixed paints. A competitive trial for more than two years has clearly proved this. During this time I have sold and contracted for about 3,000 gallons, and take pleasure in recommending it to other dealers who desire to build up a large and satisfactory trade with the best of stock. Yours respectfully,  
(Signed.) BENJAMIN B. OTIS.

## Important.

When visiting New York city, save baggage express and carriage hire, and stop at the Grand Union Hotel, opposite Grand Central Depot.

600 handsomely furnished rooms at \$1 and upwards per day. European plan. Elevators and all modern conveniences.

Restaurants supplied with the best. Horse cars, stages and elevated railroads to all depots. You can live better for less money at the Grand Union Hotel than any other first-class hotel in the city.

THE "American," of Boston, more than sustains its well-earned reputation as one of the best managed hotels in New England. Particular attention is paid to the comfort of guests, and a desire to please is apparent in all parts of the house.

THE BEST.—First-class accommodations at Palace Hotel, Cincinnati, \$2 and \$2.50 per day. Elegant rooms, fine table and all conveniences.

**WESTPHAL'S IMPROVED REVOLVING SCREW BOLT AND SHOT CASES.**  
ADJUSTABLE FIRE BACKS AND LININGS FOR COOK STOVES.  
IRON STORM THRESHOLDS.  
SEND FOR ILLUSTRATED CIRCULARS.  
SCHENCK'S ADJUSTABLE FIRE BACK CO.  
94 MARKET STREET, CHICAGO.

**BOOKS** Relating to Mechanical, Mining and Electrical Engineering. Descriptive Catalogue and information about any book sent promptly on application.

**E. & F. N. SPON,**  
12 Cortlandt Street, - NEW YORK.

**JOHN WILEY & SONS,** 15 ASTOR PL.  
New York.

—Publishers of—  
**Scientific and Industrial Works.**

Send for Catalogues and Circulars—Free by mail.



—FOR THE BEST—  
**BOILER COMPOUND,**  
ADDRESS  
**THE INTERNATIONAL MFG. CO.**  
280 Pearl St., CLEVELAND, OHIO.

**Pennsylvania Agricultural Works, York, Pa.**



—For the Latest Improved—  
**FAST FEEDING**

**Planing Mill Machinery,**  
ADDRESS THE  
**Preble Machine Works Co.,**  
CHICAGO, ILL.

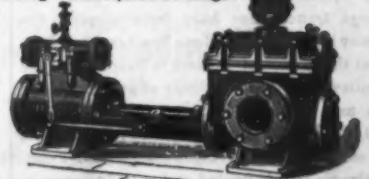
**DON'T BUY AN ENGINE OR BOILER**

Until you have seen our circulars. Engines complete from 5 to 110 horse power, both Vertical and Horizontal, at prices below those of other reputable makers. 1400 in use. Boilers of every type. Automatic Engines for Electric Lights. Centrifugal Pumping Machinery for Drainage or Irrigation. Established as years. Perfect satisfaction guaranteed. Ask for Circular M and address

**Morris Machine Works,**  
BALDWINVILLE, N. Y.

**STEAM PUMPS**  
—FOR EVERY DUTY.

Best materials only used. Fully guaranteed and tested. It will pay you to write for prices.  
**HUGHES STEAM PUMP CO.**  
CLEVELAND, OHIO.  
Dongan & Swift, New York Agents.



**PERFORATED METAL**  
FOR  
COTTON SEED OIL MILLS  
RICE MILLS  
MINING SCREENS &c  
**THE ROBERT AITCHISON**  
**PERFORATED METAL CO.**  
76 Van Buren St. Chicago, Ill.





OFFICE MANUFACTURERS' RECORD, }  
BALTIMORE, MAY 16, 1888. }

We have little change to note in the situation of the pig and crude iron market. There is very little, if any, perceptible disposition on the part of consumers to "stock up," and furnacemen are not, by any means, forcing their output upon the trade. No Southern iron is offered here, it appearing to find ready takers nearer home. We quote:

Baltimore Charcoal Wheel Iron.....	\$8	00	00	30	00
Virginia C. B. Charcoal Wheel iron.....	\$8	00	00	30	00
Anthrackite, No. 1.....	90	00	00	21	00
" " ".....	18	00	00	19	00
" " ".....	75	00	00	16	00
" " Mottled and White.....	24	00	00	—	—
Old Rails.....	21	00	00	—	—
Old Scrap.....	22	00	00	—	—
No. 1 Wrought Scrap.....	22	50	00	—	—
Old Car Wheels.....	18	00	00	30	00

Cut nails are nominally stiffer and are quoted at \$2@2 05, yet car-load lots of some makes can be had for \$1.05.

PHILADELPHIA, May 15, 1888.

The consumers of crude iron have not yet decided to depart from their hand-to-mouth policy, which they have found it advisable to pursue for so many months past. No large transactions have been closed. Inquiry has been made for a few 1,000-ton lots, but the refusal of makers is based upon the policy that future business at present prices is not desirable. Quotations are: \$15 to \$15 50 for gray forge, Southern; \$16 for No. 2 and \$17 for No. 1, tidewater. No. 1 Pennsylvania iron is quoted at \$19 to \$20, according to quality; gray forge \$16 to \$17. There is not such a stir after Southern irons as the slight difference in price would seem to indicate. Two of the railroad companies have not yet decided what reductions in freight rates to make. Foreign material is neglected. Some brokers are asking \$20 for Bessemer. Nail slabs have sold at \$29 50; 2,000 tons. Foreign slabs are quoted at \$31.50; American blooms \$30 to \$35. Muck bars sold as low as \$27 50 last week, and highest \$28.50. A good deal of bar iron sold during the week at 1.75, but there is nothing in iron at that price. Low as it is, mills are not

## Cincinnati Iron Market Report.

Specially reported by ROGERS, BROWN & Co., Pig  
Iron Commission.

CINCINNATI, May 14, 1888.

The small orders come along steadily and make up a fair aggregate, but the large ones are conspicuous by their absence. No different policy on the part of buyers is looked for until something occurs to change the prevailing temper, and that something is now in sight. The indications pointing to abundant and cheap money the last half of the year lead many to think that there will be a marked change in the next six months, and that new enterprises will again be vigorously pushed. The promised flood of Southern iron is still in the future. Notwithstanding two or three new furnaces in blast, it is probably a fact that the leading companies never had a heavier total of forward sales than they have to-day. Increasing Southern and Eastern consumption fully keeps pace with the increase in production. Probably two more furnaces will go in in the next 30 days. We quote for cash f. o. b. Cincinnati:

## HOT-BLAST FOUNDRY.

Ohio and Southern Strong Coke No. 1.	17	50	18	00
" " " " No. 2.	16	50	17	00
" " " " No. 3.	17	50	18	00
Ohio Soft Stonelocal No. 1.	16	00	16	00
Ohio Soft Stonelocal No. 2.	17	50	18	00
Mahoning and Shenango Valley Coke	16	50	17	00
Hanging Rock Charcoal No. 1.	10	50	12	50
" " " " No. 2.	10	00	11	00
Tennessee & Alabama Charcoal No. 1.	18	50	19	00
" " " " No. 2.	17	50	18	00

FORM.			
Strong Neutral Coke.....	\$14	50	15 00
Mottled " ".....	13	50	14 00
Cold Shortlings.....	14	00	14 50
CAR WHEEL AND MALLEABLE.			
Southern Car-Wheel Iron.....	30	00	23 00
Hanging Rock Cold Blast.....	23	00	25 00
Lake Superior C. W. and Malleable..	31	00	22 00

### Louisville Iron Market.

Specially reported by GHO, H. HULL & Co., Commission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., May 14, 1888.

The market has been quiet during the past week, with but few sales, and those for delivery within 60 days. No sales have been made at prices lower than those of the last two weeks. Several parties were on the point of making purchases to run through six months, but on reviewing the matter felt they were not justified in so doing, believing they will be able to do better. The demand for old material continues quiet. We quote:

	FIG 189B.	
Southern Coke, No. 1 Foundry.....	\$17 00	\$18 00
" " " " " " " " " " " " " "	16 00	17 00
" " " " " " " " " " " " " "	15 50	16 50
Hanging Rock Coke, No. 1 Foundry.....	17 00	18 50
" " Charcoal, No. 1 Foundry.....	9 00	10 50
Southern Charcoal, No. 1 Foundry.....	10 00	12 50
Silver Gray, different grades.....	14 00	15 50
Southern Coke, No. 1 Mill, Neutral....	14 00	15 50
" " " " " " " " " " " " " "	14 00	15 00
" " " " " " " " " " " " " "	14 00	15 00

Southern Charcoal, No. 1 Mill.....	—	—	—
White and Mottled, different grades...	13	50	14 50
Southern Car Wheel standard brands...	16	50	21 50
“ “ other brands.....	18	50	20 50
Hanging Rock Cold Blast.....	22	50	23 50
“ “ Warm .....	18	50	19 50

Specially reported by ROGERS, BROWN & Co. W.  
W. BACKMAN, Resident Agent.

CHICAGO, May 14, 1888.

While no improvement at all can be noted in prices of any kind of iron, there are nevertheless a few hopeful signs. Some good foundry contracts have been placed. Demand is possibly a shade better. Buyers are beginning to think that values cannot go much lower, and are nibbling some on contracts for metal. The feeling of the best informed is that if prices are forced still lower now, the reaction will follow all the sooner and will go further. There is not likely to be much buying this month, but June and July will witness a good volume of business, whatever may happen to prices. We quote cash f. o. b. cars Chicago:

## COKE AND STONE COAL FOUNDRY.

Ohio (Hanging Rock) Softeners No. 1.....	\$19	75	00	75
" Blackband " " ..	20	00	21	50
" Jackson county " " ..	20	00	21	00
" Lake ore and cinder " " ..	19	00	20	00
Southern Coke, No. 2 .....	18	50	19	00
" " No. 3 1/2 .....	18	00	18	50
" " No. 3 .....	17	50	18	00

CHARCOAL FOUNDRY.

Lake Superior .....	20 30@22 00
Southern .....	20 00@21 00
Hanging Rock .....	22 00@24 00

## CAN WHEEL AND MALLRANLE

Lake Superior.....	30	50	02	00
Standard Southern.....	31	50	05	00
Hanging Rock, cold blast.....	33	00	07	00
"      warm blast.....	33	00	05	00
Southern, cold blast.....	34	00	08	00

### OLD MATERIALS

Iron Rails, American.....	90	50	21	00
Car Wheels.....	90	25	21	00

Specially reported by ROGERS, BROWN & Co., Gay Building, 204 N. 3rd street, St. Louis. W. H. SHIELDS, Manager.

ST. LOUIS, May 14, 1888.  
There is no particular encouragement for  
sellers in the situation. Prices continue to

settle, and each time a purchaser enters the market he expects a liberal concession on his last order. The furnaces, on the other hand, have now got to the stopping place, and will fight any further decline vigorously. There are very few of them that can get more than cost out of the latest prices. The demand favors Southern coke No. 2 foundry, which is in very short supply. Nearly every furnace has large old orders at higher prices, which it is unwilling to jeopardize by taking low priced new ones for early delivery. One of the new West Nashville furnaces is just about to blow in. We quote for cash f. o. b. St. Louis :

**CHARCOAL FOUNDRY.**

Missouri.....	\$18	00	18	30
Southern.....	18	00	18	30

## COAL AND COKE IRONS

Southern.....	17 50	18 00
Ohio Softeners.....	19 00	19 10

## MILL. IRONM.

Southern ..... 16 00 @ 16 30

**CAR-WHEEL AND MALLEABLE IRON.**

Southern.....	20	00	24	00
Lake Superior.....	22	00	24	00
Connellsville Coke, (East St. Louis)....	—	—	4	65
"            "      (St. Louis).....	—	—	4	65

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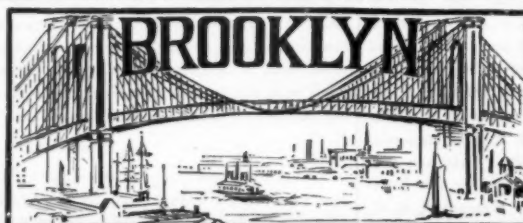
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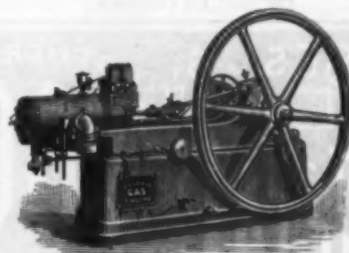
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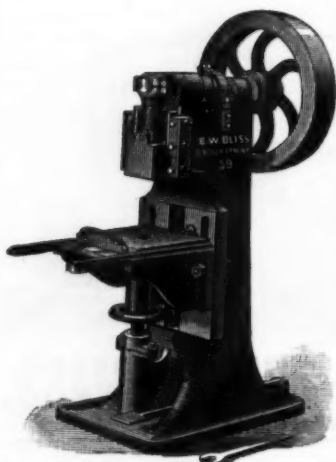
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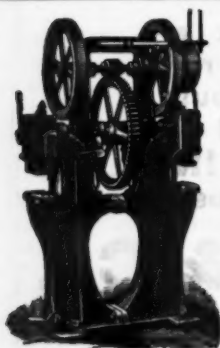
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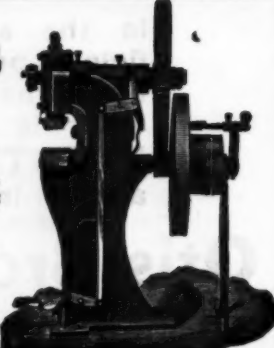
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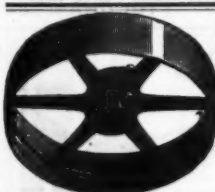
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 18 in. Valley Mfg. Co..... \$ 3. 10 c. dia 300  
 24 in. Valley Mfg. Co..... \$ 4. 10 c. dia 400  
 30 in. Valley Mfg. Co..... \$ 5. 10 c. dia 500  
 36 in. Valley Mfg. Co..... \$ 6. 10 c. dia 600  
 42 in. Valley Mfg. Co..... \$ 7. 10 c. dia 700  
 48 in. Valley Mfg. Co..... \$ 8. 10 c. dia 800  
 54 in. Valley Mfg. Co..... \$ 9. 10 c. dia 900  
 60 in. Valley Mfg. Co..... \$ 10. 10 c. dia 1000

**ANVILS AND SITS.**  
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 24 in. Valley Mfg. Co..... \$ 4. 10 c. dia 400  
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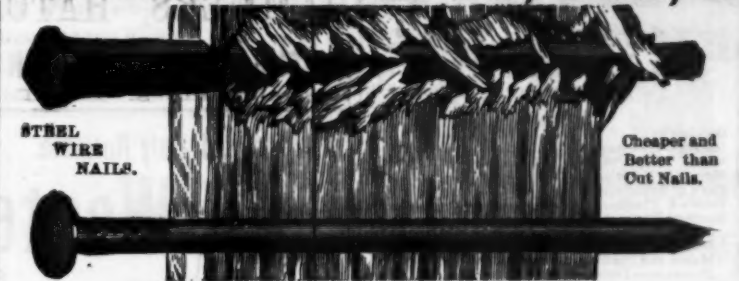
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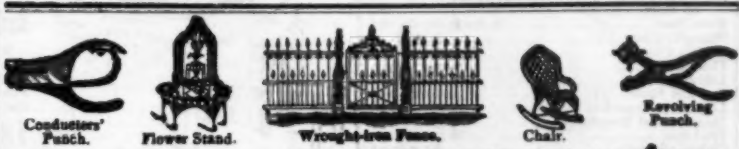
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## The Salem Wire Nail Co., Salem, O.



CHAS. B. MELISH, Agent for the South,  
 NO. 4 WIGGINS BLOCK, CINCINNATI, O.



**FRED. J. MEYERS MFG. CO.**  
 COVINGTON, KY., Manufacturers of  
**WIRE GOODS OF ALL KINDS,**  
 Wrought-iron Fencing, Cresting and Hardware Specialties.  
 Send for Illustrated Catalogue and Price List.

## WHY BUY WOODEN BLOCKS.

WHEN MALLEABLE IRON

## TACKLE BLOCKS

MADE BY

## The CLEVELAND BLOCK CO.

CLEVELAND, OHIO,

Are much STRONGER, LIGHTER, MORE DURABLE and CHEAPER than all others taking same size rope? No extra charge for our new Self-Lubricating Bushings in our Heavy Purchase and Wire Rope Blocks. Send for List.



No. 4—5-foot run, \$15.00 per dozen pair.  
 5—10 " " " \$18.00 " "  
 6—15 " " " \$21.00 " "  
 Steel Track in 4, 6 and 8-foot Lengths, 10 cents per foot.

## CHAMPION JUNIOR.

SELECTED LUMBER WHEELBARROW.

Soft-wood Handles, Hard-wood Legs and Braces. Strictly Bolted.



It is the same size, and contains all the elements of strength in the Champion. Its cheapness is made by not breeding legs and braces, and by using a less expensive timber in its manufacture, but timber of ample strength and free from defects. The Junior is the choice of all people who prefer a larger wheel and a stronger frame than the common barrow, at a small advance in cost.

**BRYAN MANUFACTURING CO., BRYAN, OHIO.**

Phillips, with Angles..... \$ 3.00 9.50..... 1000

half, plain..... \$ 1.00 2.50..... 1000

half, heavy..... \$ 1.50 3.50..... 1000

low list..... \$ 1.00 2.50..... 1000

Union Nut Co..... \$ 1.00 2.50..... 1000

Sargent's..... \$ 1.00 2.50..... 1000

Hudson, Beckley & Co's..... \$ 1.00 2.50..... 1000

wrought Brass..... \$ 1.00 2.50..... 1000

Cast Brass, Fast Joint..... \$ 1.00 2.50..... 1000

Cast Brass, Loose Joint..... \$ 1.00 2.50..... 1000

Fast Joint, Narrow..... \$ 1.00 2.50..... 1000

Fast Joint, Broad..... \$ 1.00 2.50..... 1000

Loose Joint..... \$ 1.00 2.50..... 1000

Loose Joint, Japanned..... \$ 1.00 2.50..... 1000

Loose Joint, Jap, w/ Acorn..... \$ 1.00 2.50..... 1000

Parliament Butts..... \$ 1.00 2.50..... 1000

May's Hinges..... \$ 1.00 2.50..... 1000

Loose Pin, Acorn..... \$ 1.00 2.50..... 1000

Loose Pin, Acorn, Japanned..... \$ 1.00 2.50..... 1000

Loose Pin, Acorn, Jap'd, Fluted..... \$ 1.00 2.50..... 1000

Tip..... \$ 1.00 2.50..... 1000

Wrought Iron..... \$ 1.00 2.50..... 1000

Fast Joint, Narrow..... \$ 1.00 2.50..... 1000

Fast Joint, Ld. Narrow..... \$ 1.00 2.50..... 1000

Fast Joint, Broad..... \$ 1.00 2.50..... 1000

Loose Joint, Broad..... \$ 1.00 2.50..... 1000

Table Butts, Rock Flaps, &c..... \$ 1.00 2.50..... 1000

Inside Blind, Regular..... \$ 1.00 2.50..... 1000

Inside Blind, Light..... \$ 1.00 2.50..... 1000

Loose Pin, Wrt..... \$ 1.00 2.50..... 1000

Loose Pin, Light..... \$ 1.00 2.50..... 1000

Spraying Hinges..... \$ 1.00 2.50..... 1000

Geo's Spring and Blank Butts..... \$ 1.00 2.50..... 1000

Hart Manufacturing Co..... \$ 1.00 2.50..... 1000

American Spring Hinge Co's..... \$ 1.00 2.50..... 1000

Geo Spring Hinge..... \$ 1.00 2.50..... 1000

Hudson, Beckley & Co's..... \$ 1.00 2.50..... 1000

Sargent & Co's..... \$ 1.00 2.50..... 1000

Hatchings..... \$ 1.00 2.50..... 1000

Butcher's Cleavers..... \$ 1.00 2.50..... 1000

Hudson & Beckley Mfg. Co..... \$ 1.00 2.50..... 1000

Bradley's..... \$ 1.00 2.50..... 1000

Bentley's..... \$ 1.00 2.50..... 1000

Can Openers..... \$ 1.00 2.50..... 1000

American..... \$ 1.00 2.50..... 1000

New Idea..... \$ 1.00 2.50..... 1000

No. 4, French..... \$ 1.00 2.50..... 1000

No. 5, Iron Handle..... \$ 1.00 2.50..... 1000

Sardine Sissors..... \$ 1.00 2.50..... 1000

Sprague, No. 1, &c..... \$ 1.00 2.50..... 1000

Universal..... \$ 1.00 2.50..... 1000

Can Openers..... \$ 1.00 2.50..... 1000

U. M. C., F. C. trimmed..... \$ 1.00 2.50..... 1000

U. M. C., F. L. ground..... \$ 1.00 2.50..... 1000

U. M. C., Can, fire ground..... \$ 1.00 2.50..... 1000

U. M. C., Double W. Proof..... \$ 1.00 2.50..... 1000

G. D. & S. B..... \$ 1.00 2.50..... 1000

K. B. 1-10, Key's..... \$ 1.00 2.50..... 1000

Musket, in 1-10's..... \$ 1.00 2.50..... 1000

Hicks Ground Edge in Brass Boxes..... \$ 1.00 2.50..... 1000

Cartridges..... \$ 1.00 2.50..... 1000

Rim..... \$ 1.00 2.50..... 1000

Central Fire, pistol case..... \$ 1.00 2.50..... 1000



COMPASSES, DIVIDERS, AC.  
Compasses.....dis 70¢ to \$1.50  
Dividers.....dis 70¢ to \$1.50  
Cook's Pencil.....dis 10¢

COOPERS TOOLS.  
Bradley's.....dis 15¢ to 30¢  
Horton's.....dis 10¢

CROW BARS.  
Cast Steel.....dis 30¢ to 35¢  
Iron, Steel Points.....dis 30¢ to 35¢

CURLING IRONS, AC.  
1/4, 3/4, 1 in., \$1.50, 2.00, 2.50.....dis 10¢  
Curling Tongs.....dis 30¢ to 35¢  
Pinching Irons.....dis 30¢ to 35¢

CURRY COMBS.  
Fitch's new list.....dis 50¢ to \$1.50  
Hotchkiss, Novelty, new list, July, 1886.....dis 25¢  
Hotchkiss, Excelsior Superior Champion.....dis 25¢  
Lawrence, "Perfect".....dis 25¢ to 30¢  
Rubber.....dis 10¢ to 15¢  
Sweet & Clarke.....dis 50¢ to \$1.50  
Lusters.....dis 25¢

CURTAIN PINS.  
Silvered Glass.....net  
White Enamel.....net

CUTLERY.  
Association (Table).....net  
Naugatuck Cutlery Co.....list  
Wilson's Butcher and Shoe Knives.....dis 30¢  
Wm. Rogers Mfg. Co., Plated Cutlery.....net

DOG COLLARS.  
Embossed Gilt.....dis 30¢  
Leather.....dis 40¢  
Brass.....dis 40¢

DOOR SPRINGS.  
Torrey's Rod, regular size.....dis 10¢  
Gem (Coil) List, April 19, 1886.....dis 10¢  
Standard—10 doz \$1.25; 9 doz \$1.75.....dis 60¢ to \$1.50  
Hercules.....dis 50¢ to \$1.50

DRAWING KNIVES.  
Middlesex Mfg. Co.....dis 75¢  
Crossman's No. 1.....dis 65¢  
Nobles Mfg. Co.....dis 15¢  
Bradley's.....dis 35¢  
Adjustable Handle.....dis 20¢  
P. S. & W.....dis 75¢  
Douglass.....dis 75¢

DRILLS AND DRILL STOCKS.  
Blacksmith's Self-Feeding.....\$1.65 net  
Breast, P. S. & W.....dis 40¢  
Breast, Wilson's.....dis 30¢  
Breast, Millers Falls.....dis 30¢  
Breast, Bartholomew's.....dis 30¢  
Wilson's Drill Stocks.....dis 10¢  
Automatic Boring Tools.....dis 10¢  
Manner Drill Mfg. Co.....dis 10¢  
Model Bench Drill.....dis 10¢  
XXX Post Drill.....dis 10¢

EGG BEATERS.  
Dover.....dis 50¢ to \$1.50  
Acme.....dis 50¢ to \$1.50  
Victoria.....dis 50¢ to \$1.50

EMERY AND EMERY PAPER.  
Regular numbers.....dis 60¢  
Flour and F. F.....dis 40¢  
B. & A. Emery Paper.....dis 50¢

ENAMELED AND TINNED WARE.  
Kettles.....dis 70¢  
Sauce Pans.....dis 50¢  
Tinned Sauce Pans.....dis 50¢  
Escutcheon Pins—Brass.....dis 50¢

ESCUTCHEONS.  
Door Lock.....Same discounts as Door Locks  
Brass Thread.....dis 60¢  
Wood.....dis 25¢

FAUCETS.  
Fenn's.....dis 40¢  
Fenn's Cork Stops.....dis 35¢  
Star.....dis 60¢  
Fray's Patent Petroleum.....dis 50¢  
Wray's Patent Key.....dis 45¢  
Anchor Lock.....dis 45¢  
Metallic Key, Leather Lined.....dis 55¢ to \$1.50  
Cork Lined.....dis 70¢  
J. Sommer's Best Metallic Key.....dis 40¢  
J. Sommer's Cork Lined, 1st quality.....dis 50¢

FILES.  
E. M. Boynton's.....new list, dis 25¢  
Western File Co.....dis 60¢ to \$1.50  
Butcher's.....dis 40¢ to \$1.50  
Moss & Gamble.....dis 40¢ to \$1.50  
H. Diston & Sons (new list).....dis 60¢  
Heller Bros.' Horse Raps.....dis 30¢ to \$1.50  
Nicholson.....dis 50¢ to \$1.50  
New American.....dis 60¢ to \$1.50  
Union File Co.....dis 50¢ to \$1.50  
Stubs, new list.....dis 70¢ to \$1.50

FLUTING MACHINES.  
Knox, 1/4-inch Rolls.....\$3.50 each  
Knox, 1/2-inch.....\$4.00 each  
Knox, 3/4-inch.....\$4.50 each  
Knox, 1-inch.....\$5.00 each  
Knox, 1 1/4-inch.....\$5.50 each  
Knox, 1 1/2-inch.....\$6.00 each  
Knox, 1 3/4-inch.....\$6.50 each  
Knox, 2-inch.....\$7.00 each  
Knox, 2 1/4-inch.....\$7.50 each  
Knox, 2 1/2-inch.....\$8.00 each  
Knox, 2 3/4-inch.....\$8.50 each  
Knox, 3-inch.....\$9.00 each  
Knox, 3 1/4-inch.....\$9.50 each  
Knox, 3 1/2-inch.....\$10.00 each  
Knox, 3 3/4-inch.....\$10.50 each  
Knox, 4-inch.....\$11.00 each  
Knox, 4 1/4-inch.....\$11.50 each  
Knox, 4 1/2-inch.....\$12.00 each  
Knox, 4 3/4-inch.....\$12.50 each  
Knox, 5-inch.....\$13.00 each  
Knox, 5 1/4-inch.....\$13.50 each  
Knox, 5 1/2-inch.....\$14.00 each  
Knox, 5 3/4-inch.....\$14.50 each  
Knox, 6-inch.....\$15.00 each  
Knox, 6 1/4-inch.....\$15.50 each  
Knox, 6 1/2-inch.....\$16.00 each  
Knox, 6 3/4-inch.....\$16.50 each  
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Knox, 7 1/2-inch.....\$18.00 each  
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Knox, 8 1/2-inch.....\$20.00 each  
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Knox, 9 1/2-inch.....\$22.00 each  
Knox, 9 3/4-inch.....\$22.50 each  
Knox, 10-inch.....\$23.00 each  
Knox, 10 1/4-inch.....\$23.50 each  
Knox, 10 1/2-inch.....\$24.00 each  
Knox, 10 3/4-inch.....\$24.50 each  
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Knox, 11 1/2-inch.....\$26.00 each  
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Knox, 12 1/2-inch.....\$28.00 each  
Knox, 12 3/4-inch.....\$28.50 each  
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Knox, 24-inch.....\$51.00 each  
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Knox, 25 1/4-inch.....\$53.50 each  
Knox, 25 1/2-inch.....\$54.00 each  
Knox, 25 3/4-inch.....\$54.50 each  
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Knox, 27-inch.....\$57.00 each  
Knox, 27 1/4-inch.....\$57.50 each  
Knox, 27 1/2-inch.....\$58.00 each  
Knox, 27 3/4-inch.....\$58.50 each  
Knox, 28-inch.....\$59.00 each  
Knox, 28 1/4-inch.....\$59.50 each  
Knox, 28 1/2-inch.....\$60.00 each  
Knox, 28 3/4-inch.....\$60.50 each  
Knox, 29-inch.....\$61.00 each  
Knox, 29 1/4-inch.....\$61.50 each  
Knox, 29 1/2-inch.....\$62.00 each  
Knox, 29 3/4-inch.....\$62.50 each  
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Knox, 30 1/4-inch.....\$63.50 each  
Knox, 30 1/2-inch.....\$64.00 each  
Knox, 30 3/4-inch.....\$64.50 each  
Knox, 31-inch.....\$65.00 each  
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Knox, 31 1/2-inch.....\$66.00 each  
Knox, 31 3/4-inch.....\$66.50 each  
Knox, 32-inch.....\$67.00 each  
Knox, 32 1/4-inch.....\$67.50 each  
Knox, 32 1/2-inch.....\$68.00 each  
Knox, 32 3/4-inch.....\$68.50 each  
Knox, 33-inch.....\$69.00 each  
Knox, 33 1/4-inch.....\$69.50 each  
Knox, 33 1/2-inch.....\$70.00 each  
Knox, 33 3/4-inch.....\$70.50 each  
Knox, 34-inch.....\$71.00 each  
Knox, 34 1/4-inch.....\$71.50 each  
Knox, 34 1/2-inch.....\$72.00 each  
Knox, 34 3/4-inch.....\$72.50 each  
Knox, 35-inch.....\$73.00 each  
Knox, 35 1/4-inch.....\$73.50 each  
Knox, 35 1/2-inch.....\$74.00 each  
Knox, 35 3/4-inch.....\$74.50 each  
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Knox, 36 1/4-inch.....\$75.50 each  
Knox, 36 1/2-inch.....\$76.00 each  
Knox, 36 3/4-inch.....\$76.50 each  
Knox, 37-inch.....\$77.00 each  
Knox, 37 1/4-inch.....\$77.50 each  
Knox, 37 1/2-inch.....\$78.00 each  
Knox, 37 3/4-inch.....\$78.50 each  
Knox, 38-inch.....\$79.00 each  
Knox, 38 1/4-inch.....\$79.50 each  
Knox, 38 1/2-inch.....\$80.00 each  
Knox, 38 3/4-inch.....\$80.50 each  
Knox, 39-inch.....\$81.00 each  
Knox, 39 1/4-inch.....\$81.50 each  
Knox, 39 1/2-inch.....\$82.00 each  
Knox, 39 3/4-inch.....\$82.50 each  
Knox, 40-inch.....\$83.00 each  
Knox, 40 1/4-inch.....\$83.50 each  
Knox, 40 1/2-inch.....\$84.00 each  
Knox, 40 3/4-inch.....\$84.50 each  
Knox, 41-inch.....\$85.00 each  
Knox, 41 1/4-inch.....\$85.50 each  
Knox, 41 1/2-inch.....\$86.00 each  
Knox, 41 3/4-inch.....\$86.50 each  
Knox, 42-inch.....\$87.00 each  
Knox, 42 1/4-inch.....\$87.50 each  
Knox, 42 1/2-inch.....\$88.00 each  
Knox, 42 3/4-inch.....\$88.50 each  
Knox, 43-inch.....\$89.00 each  
Knox, 43 1/4-inch.....\$89.50 each  
Knox, 43 1/2-inch.....\$90.00 each  
Knox, 43 3/4-inch.....\$90.50 each  
Knox, 44-inch.....\$91.00 each  
Knox, 44 1/4-inch.....\$91.50 each  
Knox, 44 1/2-inch.....\$92.00 each  
Knox, 44 3/4-inch.....\$92.50 each  
Knox, 45-inch.....\$93.00 each  
Knox, 45 1/4-inch.....\$93.50 each  
Knox, 45 1/2-inch.....\$94.00 each  
Knox, 45 3/4-inch.....\$94.50 each  
Knox, 46-inch.....\$95.00 each  
Knox, 46 1/4-inch.....\$95.50 each  
Knox, 46 1/2-inch.....\$96.00 each  
Knox, 46 3/4-inch.....\$96.50 each  
Knox, 47-inch.....\$97.00 each  
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Knox, 47 1/2-inch.....\$98.00 each  
Knox, 47 3/4-inch.....\$98.50 each  
Knox, 48-inch.....\$99.00 each  
Knox, 48 1/4-inch.....\$99.50 each  
Knox, 48 1/2-inch.....\$100.00 each  
Knox, 48 3/4-inch.....\$100.50 each  
Knox, 49-inch.....\$101.00 each  
Knox, 49 1/4-inch.....\$101.50 each  
Knox, 49 1/2-inch.....\$102.00 each  
Knox, 49 3/4-inch.....\$102.50 each  
Knox, 50-inch.....\$103.00 each  
Knox, 50 1/4-inch.....\$103.50 each  
Knox, 50 1/2-inch.....\$104.00 each  
Knox, 50 3/4-inch.....\$104.50 each  
Knox, 51-inch.....\$105.00 each  
Knox, 51 1/4-inch.....\$105.50 each  
Knox, 51 1/2-inch.....\$106.00 each  
Knox, 51 3/4-inch.....\$106.50 each  
Knox, 52-inch.....\$107.00 each  
Knox, 52 1/4-inch.....\$107.50 each  
Knox, 52 1/2-inch.....\$108.00 each  
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FENCING AND RAILINGS,  
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**Van Dorn Iron Works,**  
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Consisting of **COVERT'S PATENT SNAPS**  
—Chain and Web Goods.—

These goods have become standard with the trade, and are sold by all the leading Jobbers in General and Saddlery Hardware in the United States at manufacturers' prices.

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MANUFACTURERS **Hardware**  **Specialties**  
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Agents wanted in every

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WHEELING HINGE COMPANY,	Wrought Goods, Butts, &c.
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SHEBLE & KLEMM,	-	-	- Forks.
HOLROYD & CO.	-	-	Stocks and Dies.
BAKER CHAIN & WAGON IRON MFG. CO.	-	-	Wagon Hardware,
			Links, Rings, &c.
OLARKE BROS. & CO.,	-	-	Bolts, Nuts, etc.
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## SCREW DRIVERS.

Douglas Mfg. Co.	dis 50k10 5
Dixon's	dis 45 5
Coville Mfg. Co.	dis 50k10 5
Stanley Rule & Level Co. s. Var. Hds.	dis 50 5
Stanley Rule & Level Co.'s Black Hds.	dis 50 5
Ratchet	dis 35 5
Clark's Patent	dis 25 5
Shepard's	dis 25 5

## SPOKE TRIMMERS.

Bonney's	dis 50 5
Stearns	dis 50 5
Ives	dis 50 5
Houseless	dis 50 5

## SILVER PLATED WARE.

Wm. Rogers Manf. Co.	dis 50k10 5
Holmes, Booth & Hayden	dis 50k10 5
Wallace's Steel Silver Plated	dis 35 5
Rogers Bros 1847	dis 50k10 5
C. Rogers & Bro.	dis 50k10 5

## SCREWS.

Standard new list, Feb. 15.	
Flat Head Bright	dis 70 5
Round Head Bright	dis 65 5
Round Head Brass	dis 65 5
Flat Head Brass	dis 65 5
Round Head Brass	dis 65 5
Flat Head Blue (add 5¢ to net)	dis 70 5
Brass and Silver Capped	dis 65 5
Japanese Flat Head	dis 65 5
Coch, Patent Gimlet Point	dis 65 5
Coch, Common or Leg	dis 65 5
Bed	dis 65 5
Machine, Flat Head, Iron	dis 55 5
Machine, Round Head, Iron	dis 55 5
Bench, Iron	dis 55 5
Bench, Wood, Beach	dis 55 5
Bench, Wood, Hickory	dis 55 5
Hand, Wood	dis 55 5
Hand Rail, Sargent's	dis 55 5
Hand Rail, Humason, Beckley & Co.'s	dis 55 5
Hand Rail, Am. Screw Co., list Jan. 1, '81	dis 55 5
Jack (Wilson's)	dis 25 5

## SCREEN FRAMES AND FIXTURES.

Standard Window Screens No. 1	dis 50 5
Door	dis 50 5
Window Corner Irons, No. 3, dis. st's	dis 50 5
Door	dis 50 5
Door Latches, 1/2 dozen, dis. 50 5	dis 50 5
Porter's Patent Window and Door Screen Frames	dis 50 5

## PER DOZ. SETS.

No. 80	dis 75 5
No. 81	dis 75 5
No. 82	dis 75 5
No. 83	dis 75 5
No. 84	dis 75 5
No. 85	dis 75 5
No. 86	dis 75 5
No. 87	dis 75 5
No. 88	dis 75 5
No. 89	dis 75 5
No. 90	dis 75 5
No. 91	dis 75 5
No. 92	dis 75 5
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No. 94	dis 75 5
No. 95	dis 75 5
No. 96	dis 75 5
No. 97	dis 75 5
No. 98	dis 75 5
No. 99	dis 75 5
No. 100	dis 75 5

Porter's Corners—  
No. 1. Corners and Sticks complete for a three-foot window, dis. 50 5

No. 1. Set for Window, dis. 50 5

No. 1 1/4. " dis. 50 5

No. 4. " dis. 50 5

No. 1/2. " dis. 50 5

No. 4 1/2. " dis. 50 5

No. 3 1/2. " dis. 50 5

No. 3. " dis. 50 5

Boughton's Adjust. Window and Door Screens, dis. 50 5

Boughton's Adjust. Window and Door Frames, dis. 50 5

Window screen frames (Stuart's), dis. 50 5

Also see Hangers.

## SHRUBS AND SCISSORS.

American (Cast) Iron	dis 70k10 5
Pruning	dis 70k10 5
Barnard's Lamp Trimmers	dis 40 5
Tinners	dis 30 5
Manassett's	dis 30 5
Seymour's	dis 30 5
Jersey Shears	dis 30 5
J. Wis & Son, Nickel, 50k 5; Japanned, 60k 5	dis 30 5

## SHRUBS.

Sliding Door, M. W. & Co., List	dis 45k 5
Sliding Door, R. & E. list	dis 60k 5
Sliding Door, Patent Roller	dis 60k 5
Sliding Door, Pt. Roller, Hatfield's	dis 60k 5
Sliding Door, Russell's Anti-Friction	dis 60k 5

## Also see Hangers.

## SHOVELS AND SPADES.

Ames, New List, November 1 1885	dis 50 5
Griffiths	dis 50 5
Bennington's (Lowman's Patent)	dis 50 5
Rowland's	dis 50 5
Lippincott, new list	dis 50 5
Humy, Sims & Co.	dis 50 5

## SILVER PLATED HOLLOW WARE.

Wm. Rogers Manf. Co.	dis 50 5
Meriden Britannia Co.	dis 40 5

## SOLDERING IRONS AND COPPERS.

Coevert's Soldering Irons	dis 35 5
Coevert's Adjustable Coppers	dis 35 5

## SPOONS.

Britannia	dis 60, 10k10 5
Tinned Iron, Table and Tea	dis 65 5
Tinned Iron Tacks	dis 65 5
German Silver	dis 40k 5

## STONE.

Hindostan No. 1, 4c; Axt, 5c	dis 50 5
Sand Stone	dis 50 5
Washita Stone	dis 50 5
Washita Stone, Slips	dis 50 5
Arkansas	dis 50 5

## SQUARES.

Steel	dis 60k10 5
Iron	dis 60k10 5
Nickel Plated	dis 60k10 5
Try Square and T Bevels	dis 60k10 5
Weston's Try Square and T Bevels	dis 40 5

## TACKS, BRADS, &amp;c.

American Iron Carpet Tacks, all kinds	dis 75 5
Steel Carpet Tacks, all kinds	dis 75 5
Swedes Iron Carpet Tacks, all kinds	dis 75 5
Swedes Iron Tacks	dis 75 5
Swedes Iron Upholsterers' Tacks	dis 75 5
Tinned Swedes Iron Tacks	dis 75 5
Tinned Swedes Iron Upholsterers' Tacks	dis 75 5
American Iron Cut Tacks	dis 75 5
Gimp and Lace Tacks	dis 75 5
Tinned Gimp and Lace Tacks	dis 75 5
Copper Tacks	dis 75 5
Lopper Finishing and Trunk Nails	dis 75 5
Cigar Box Nails	dis 75 5
Finishing Nails	dis 75 5
Trunk and Closet Nails	dis 75 5
Tinned Trunk and Closet Nails	dis 75 5
Basket Nails	dis 75 5
Chair Nails	dis 75 5
Eric Glaciers' Points	dis 75 5
Common and Patent Brads	dis 75 5
Swedish Nails and Miners' Tacks	dis 75 5
Looking Glass Tacks	dis 75 5
Picture Frame Points	dis 75 5

## The Dangler Vapor Torches.

FOR BRILLIANT, ECONOMICAL  
LIGHT. FOR LIGHTING  
MACHINE WORKS, ROLLING MILLS,  
FOUNDRIES, SAW MILLS, &c.

Fully 100,000 now in use  
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Send for particulars.  
Price from \$1.50 to \$3  
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quality.

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## Excelsior Patent Baking & Roasting Pan.



This is the only Seamless Pan with a lap joint ever invented.  
It roasts and bakes equally on all sides, cooks tough meat  
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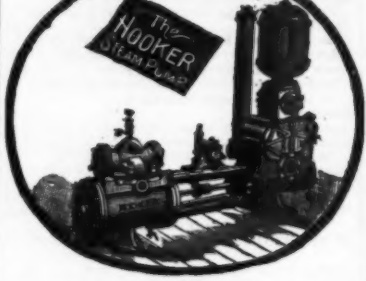
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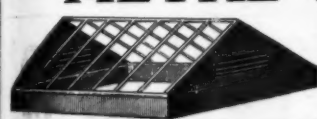
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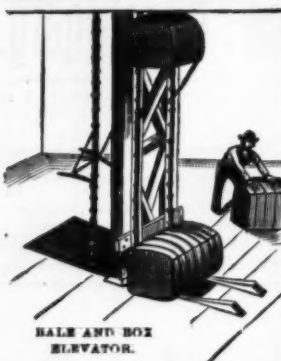


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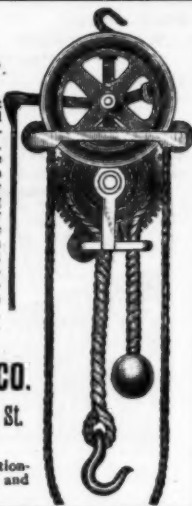
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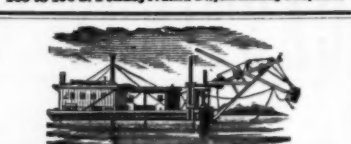
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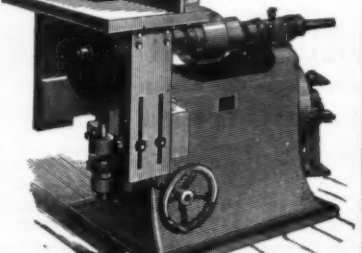


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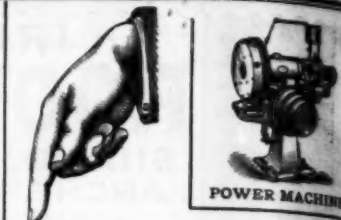
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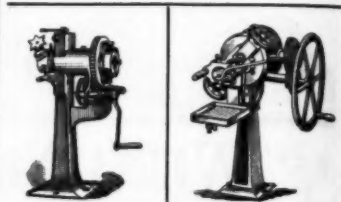
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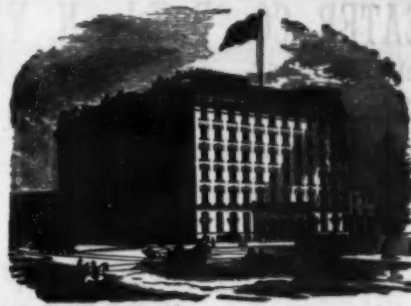
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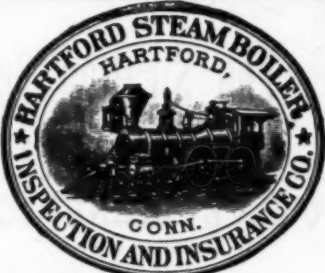
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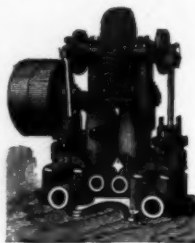
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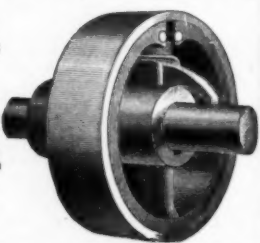
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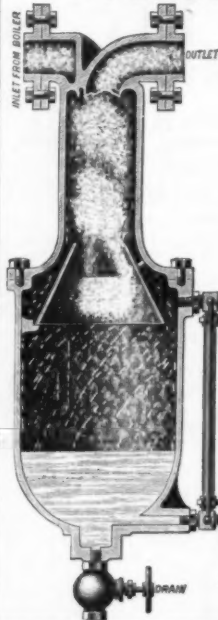
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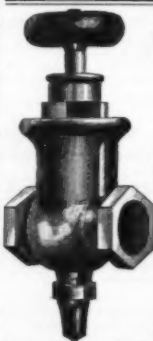
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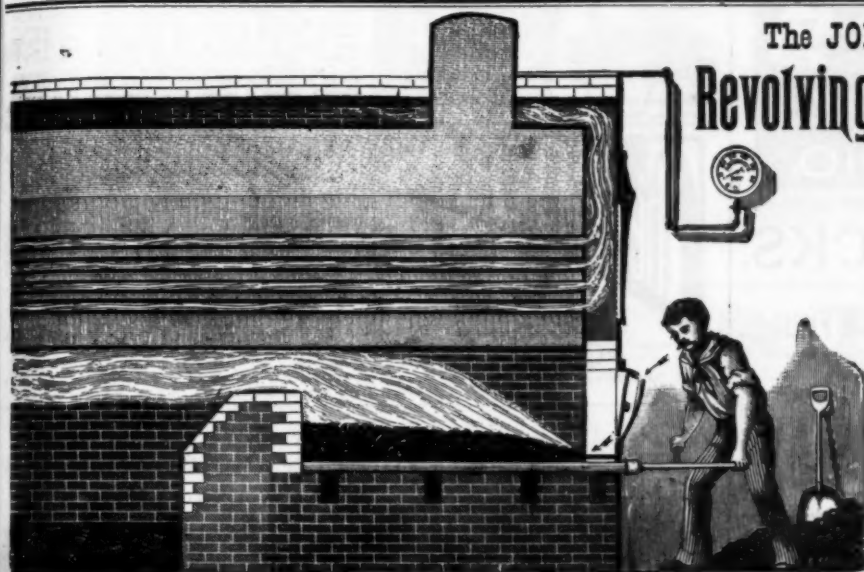
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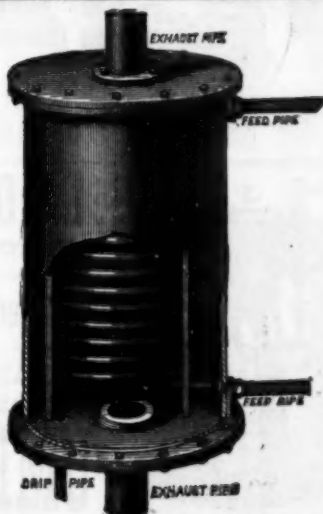
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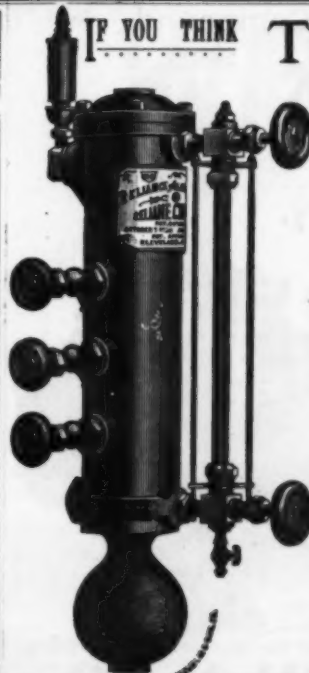
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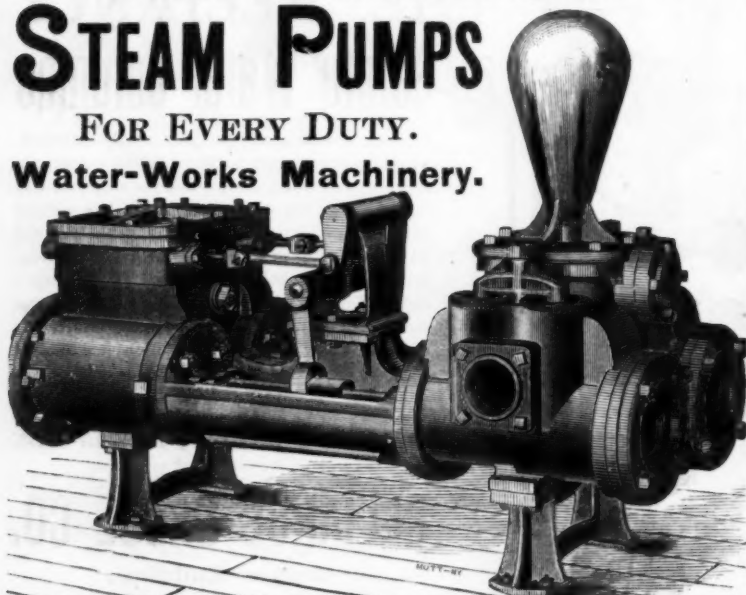
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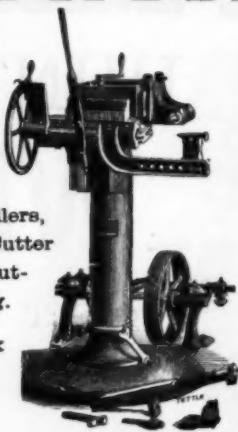
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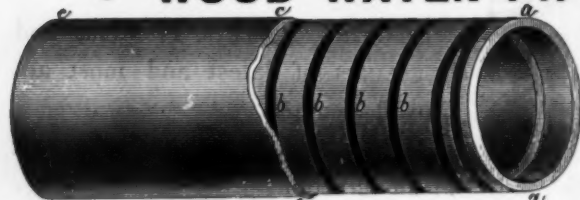
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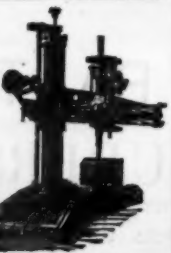
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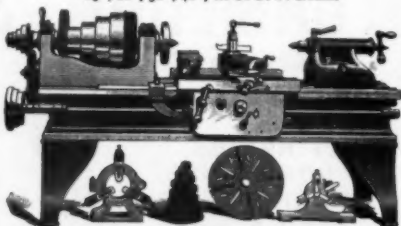
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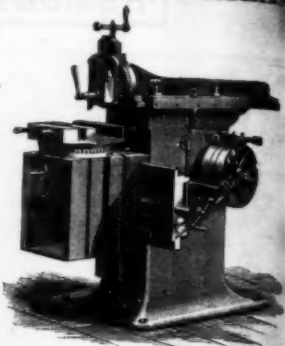
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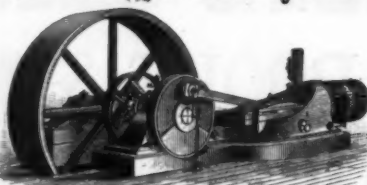


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